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READ AND FOLLOW THESE DIRECTIONS CAREFULLY

INSTRUCTIONS

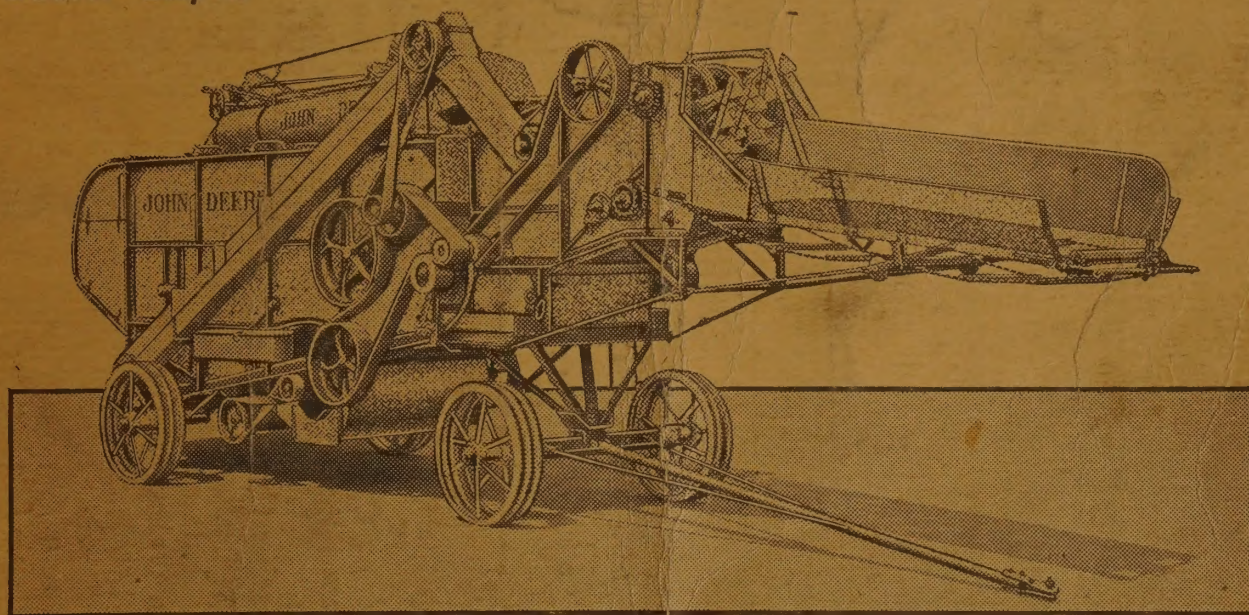
FOR OPERATING

NEW JOHN DEERE STRAW WALKER THRESHERS

(22 x 36" and 28 x 46")

SAVE THIS BOOK

Put it away where you can find it and you will be sure of prompt repair service during the long life of this machine. The parts listed are all for your Model, making it easy for you to get repairs at all times. *This book will save you money and trouble—keep it.*



With List and Illustrations of Repair Parts

JOHN DEERE HARVESTER WORKS

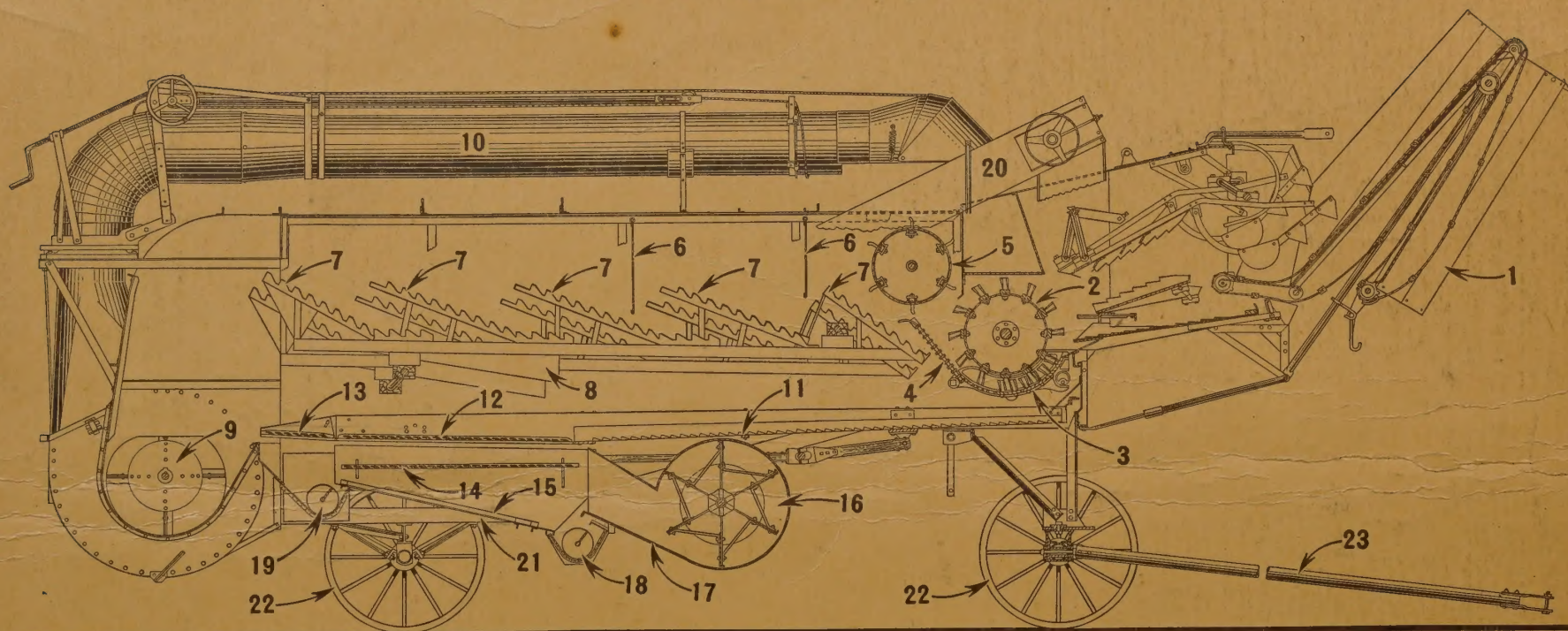
OF DEERE & CO.

EAST MOLINE, ILLINOIS, U. S. A.

Manufacturers of Grain, Corn and Rice Binders, Combines, Corn Pickers, Field Ensilage Harvesters, Threshers, High-Lift Enclosed Gear Mowers, Hay Harvester and Loaders, Mower Knife Grinders, Sulky Rakes and Extensive Power Equipment.



Cross-Sectional View of New John Deere Straw Walker Threshers



- | | |
|-----------------------------|-----------------------------------|
| 1. Self-Feeder | 13. Tailings Chaffer |
| 2. Threshing Cylinder | 14. Shoe Sieve |
| 3. Concaves | 15. Cheat Screen |
| 4. Grate | 16. Shoe Fan |
| 5. Separating Cylinder | 17. Fan Adjustable Wind Deflector |
| 6. Canvas Deflectors | 18. Clean Grain Auger |
| 7. Straw Walkers | 19. Tailings Auger |
| 8. Straw Walker Return Pans | 20. Tailings Elevator |
| 9. Wind Stacker Fan | 21. Frame |
| 10. Wind Stacker Pipe | 22. Wheels |
| 11. Grain Pan | 23. Hitch |
| 12. Adjustable Chaffer | |

SHIPPING PACKAGES

The New John Deere Straw Walker Thresher is regularly shipped in the following shipping packages:

22" THRESHER

12461-GG	Separator with Wind Stacker	12319-GG	9' Carrier
12471-GG	Cheat Screen (1/12" x 1/2")	12320-GG	12' Carrier
12372-GG	Hart Self Feeder	12321-GG	14' Carrier
12322-GG	Bundle of Parts	12323-GG	Raddle for 9' Carrier
12390-GG	No. 2 Hart Weigher	12324-GG	Raddle for 12' Carrier
12492-GG	Crate of parts for No. 2, 3, 12, and 13 Hart Weighers	12325-GG	Raddle for 14' Carrier
		12158-GG	Supporting Pipes for Carrier

28" THRESHER

12462-GG	Separator with Wind Stacker	12212-GG	14' Carrier
12472-GG	Cheat Screen (1/12" x 1/2")	12214-GG	Raddle for 9' Carrier
12373-GG	Hart Self Feeder	12216-GG	Raddle for 12' Carrier
12385-GG	Bundle of Parts	12218-GG	Raddle for 14' Carrier
12390-GG	No. 2 Hart Weigher	12159-GG	Divider Board for 9' Carrier
12493-GG	Crate of Parts for No. 2, 3, 12, and 13 Hart Weighers	12160-GG	Divider Board for 12' Carrier
12208-GG	9' Carrier	12163-GG	Divider Board for 14' Carrier
12210-GG	12' Carrier	12158-GG	Supporting Pipes for Carrier

CLOVER ATTACHMENT

12360-GG	Concaves, 22"	12409-GG	Sieves, 22"
12361-GG	Concaves, 28"	12410-GG	Sieves, 28"

PULLEYS FOR GARDEN SEED THRESHING

12362-GG	Pulleys, 22" and 28"	12364-GG	Belt Splices, 28"
12363-GG	Belt Splices, 22"		

PULLEYS FOR RICE THRESHING

12365-GG	Pulleys, 22" and 28"	12364-GG	Belt Splices, 28"
12363-GG	Belt Splices, 22"		

MISCELLANEOUS

12394-GG	No. 1 Register w/ Tilting Conveyor	12173-GG	Standard Bagger less Tally
12395-GG	No. 3 Register w/ Stationary Conveyor	12242-GG	Spokane Bagger w/ Tally
12396-GG	No. 11 Loader w/ Tilting Conveyor	12243-GG	Spokane Bagger less Tally
12397-GG	No. 12 Loader w/ Swinging Conveyor	12358-GG	Hitch Pole Ext. (for 14" carrier)
13398-GG	No. 13 Loader w/ Stationary Conveyor	12359-GG	Horse Hitch Attachment
12492-GG	Crate of parts for No. 2, 3, 12, and 13 Hart Weighers, 22"	12549-GG	Brake, 22" (30" wheels)
12493-GG	Crate of parts for No. 2, 3, 12 and 13 Hart Weigher, 28"	12550-GG	Brake, 28" (30" wheels)
12496-GG	Crate of Parts for No. 1 Register and No. 11 Loader, 22"	12560-GG	Brake, 22" (36" wheels)
12497-GG	Crate of Parts for No. 1 Register and No. 11 Loader, 28"	12561-GG	Brake, 28" (36" wheels)
12172-GG	Standard Bagger w/ Tally	12540-GG	Blank Concaves, 22"
		12541-GG	Blank Concaves, 28"
			Soybean Equipment, See Page 19
			Lespedeza Equipment, See Page 20
			Rice Equipment, See Page 21

CAUTION TO OPERATORS

Thresher must be thoroughly cleaned out before leaving one job and going to the next in order to reduce the spread of noxious weed seeds.

When a job is completed, open the doors at the bottom of clean grain and tailings elevators and run machine until all straw, trash and grain are removed, then sweep off the dirt and dust on top of machine before moving to the next job.

The spread of noxious weed seeds will be greatly reduced if all Thresher operators follow carefully the above instructions.

LOCATION REFERENCES

“Right” and “Left”, “Front” and “Rear” refer to the operator’s “Right” or “Left”, and “Front” or “Rear”, when facing the same direction machine is headed.

EXCEPTION TO LOCATION REFERENCES

Feeder and Weigher—“Right” and “Left”, “Front” and “Rear” refer to the operator’s “Right” or “Left” and “Front” or “Rear”, when looking into the feeder. **Note:** This is directly opposite to location references under Thresher proper.

SETTING UP

Wherever possible, the John Deere Thresher is almost completely assembled when shipped. The few parts that must be attached to get machine ready for operation are packed in the rear of the Thresher, and in the miscellaneous crate.

The tailings elevator, clean grain auger, and weigher drive belts run crossed. All of the rest run straight. (See Pages 16 and 17.) **Be sure** to attach beater, straw walker and shoe and grain pan crank drive belt **exactly** as shown by diagram on thresher side.

For transporting, strap blower pipe to rest on the top deck of thresher, then lay Weigher grain conveyor in rest on blower pipe.

Attach feeder carrier and raddle chain as illustrated in Feeder Booklet—See inside rear cover. The Main Supports for feeder carrier are different for **Right-** and **Left-Hand** sides. **Be sure** they are attached **correctly**.

Bolt feeder divider board (28x46" separator) to arm attached on top of feeder and set front end in divider board rest. Better feeding will result on 28" if divider board is always used. Where it is not possible to ship feeder attached to Thresher, directions for attaching will be found with feeder.

STACKER HOOD CONTROL ROPES

1. (Fig. 1.) Cut off a 20-foot length from rope packed in tool box. Tie one end of rope to rear of hood, run loose end through pulley and tie to fourth link from outer end of telescoping drive chain as shown.

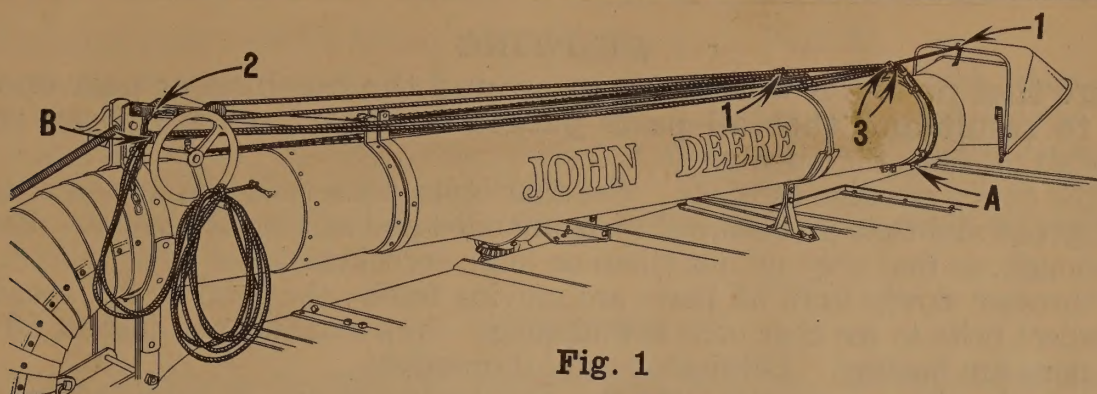


Fig. 1

2. (Fig. 1.) Hook chain on pulley to bracket as shown. Hood can be raised or lowered by adjusting chain.

3. (Fig. 1.) Secure center of long piece of rope to loop at "A" on under side of hood. Run loose ends through sheaves on top of hood and secure in holder "B". This rope will turn hood from right to left.

Note: When pipe is extended or telescoped, it is not necessary to change adjustment at No. 2 because hood stays in the same relation to blower pipe at all times unless adjustment at No. 2 is changed.

LEVELING THRESHER

Set machine level—check machine to see that it is level crosswise, by noting position of leveling arrow at "A" on front end of separator. Check lengthwise by noting position of leveling arrow "B" hanging from left-hand separator top sill. When both arrows register with their locating marks, the machine is level.

LUBRICATION

All bearings, including the Main Wheels, are equipped for gun lubrication, with the exception of a few bearings on feeder and weigher.

Use good grade of gun grease in gun; and heavy machine oil in oil can. **Protect grease and oil containers from dirt and dust.**

Brush chains freely with a light oil, being careful not to get oil or grease on the belts. **Lubricate all bearings thoroughly twice a day—Morning and Noon.**

Pay special attention to cylinder, shoe fan and straw walker bearings. Front straw walker bearings are lubricated through top door of separator deck.

Lubricate the following idler pulley bearings through fittings in end of shaft:

Main Drive Belt Idler. Wind Stacker Drive Belt Idler. Shoe, Straw Walker and Beater Drive Belt Idler.

Keep Main Wheels and Wind Stacker turret worm and gear well lubricated.

HIGH PRESSURE GREASE GUN: Follow instructions attached to gun. Use a good grade of lubricant. Do not use ordinary cup grease nor old oil from your tractor.

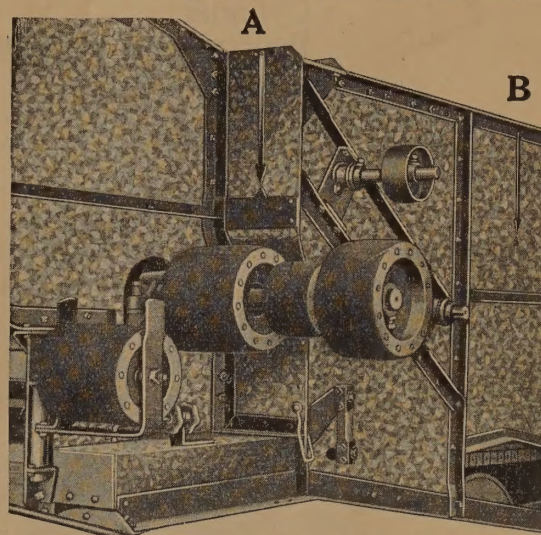


Fig. 2

STARTING

Make sure that no one is working in or around the machine or near enough for accidents to result and that all parts packed in separator have been removed.

Lubricate all bearings thoroughly.

Go over the entire machine carefully. See that bolts, set screws and keys are tight, that cotters are spread and that chains are thoroughly oiled and at correct tension. Run chains just tight enough, so that they do not climb or jump sprockets.

Operate thresher slowly until all parts are moving freely, then run at full speed for five minutes; inspect belts to see that none are slipping. Stop machine and inspect all bearings to see that none are heating. Lubricate again, thoroughly.

Do not work thresher to capacity until it is well broken in and all bearings are worn perfectly smooth.

Be Careful: Keep hands and clothing away from moving parts. Engine should be stopped if anyone is working at the cylinder or in a dangerous place.

OPERATION AND ADJUSTMENTS: It is most important to keep all parts of thresher running at an even, normal speed. Any variation either above or below normal is bound to cause loss of grain. Speed should be checked at frequent intervals by a speed indicator. Normal speeds of important units are:

Cylinder.....	1050 R. P. M.
Beater behind Cylinder.....	456 R. P. M.
Straw Walkers.....	208 R. P. M.
Shoe and Grain Pan Drive Crank.....	240 R. P. M.
Fan Shaft.....	525 R. P. M.
Wind Stacker Fan.....	938 R. P. M.
Feeder Drive Shaft.....	451 R. P. M.

Every operator should understand the functions that each unit performs.

The important adjustments and how to make them are described in the following pages.

FEEDER

Good threshing depends on uniform feeding. Pitch bundles with heads toward the cylinder. Do not pile bundles one on the other or leave open spaces between bundles.

Booklet of instructions covering feeder adjustments will be found attached to rear inside cover of this book.

Study adjustment instructions and Adjust Governor, Feed Pans and Retarder Fingers to meet conditions.

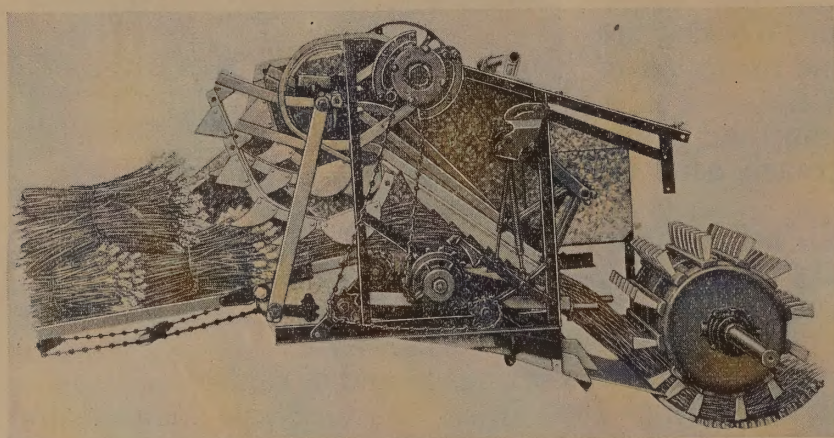


Figure 3—Showing the Hart New Model Feeder which is used on the New John Deere Thresher. This feeder is noted for its ability to take any kind of grain and deliver it to the cylinder uniformly.

Special adjustments for Rice threshing are explained on Page 21.

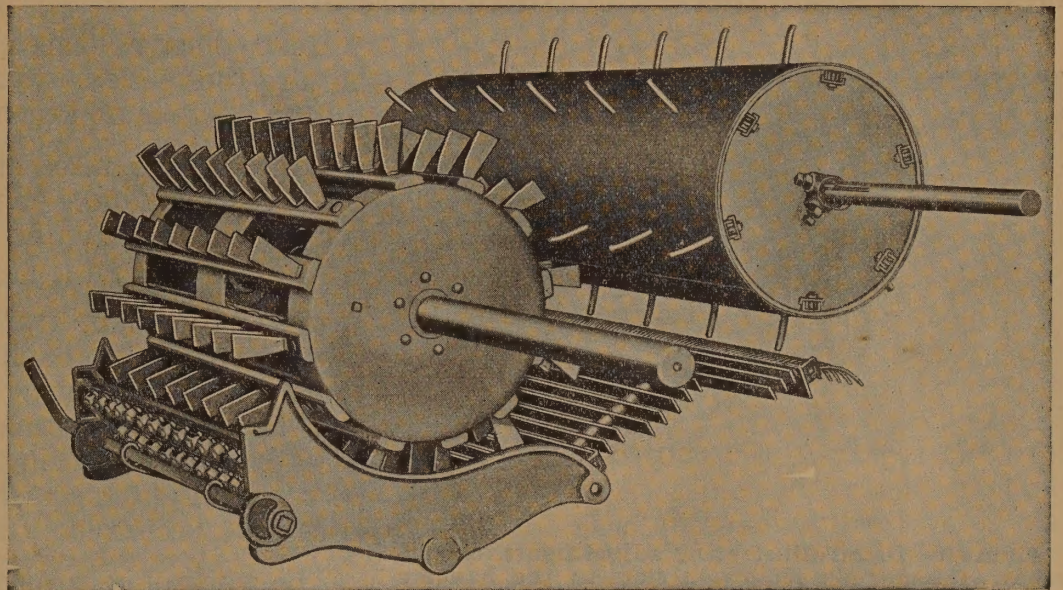
Y1694, 13-Tooth and Y1200, 15-Tooth sprockets are furnished with thrasher to give raddle the proper speed. Ordinarily the 15-Tooth sprocket will meet a wider variety of conditions satisfactorily. The following special sprockets can be furnished on special order for varying speed of raddle: Y1691, 18-Tooth and Y1203, 10-Tooth driven sprocket. To further vary the speed Y1625, 5-Tooth drive sprocket can be furnished to replace Y1641, 6-Tooth regular drive sprocket.

CYLINDER

A safe rule is first to thresh the grain—then save it. All threshing must be done at the cylinder. For wheat, oats, barley, rye, flax, clover, etc., cylinder speeds of 1025 to 1075 R. P. M. are recommended, depending on conditions and variety of grain that is being threshed.

Generally speaking, the larger or coarser grains require lower cylinder speeds. Peas and beans, for example, require a much lower speed than wheat.

Figure 4—Threshing unit. Note the sturdy, all-steel construction of threshing and separating cylinders, and the capacity of the grate beneath the cylinder. The flailing action of the separating cylinder makes it a real factor in separation. The lever at the left provides adjustment for raising or lowering concaves for various crop conditions.



If cylinder speed is too high, grain may be cracked and straw broken up too much, overloading the sieves. Dry oats require less speed than wheat.

Damp grain requires a higher speed than grain that is properly dried. Winding may result if cylinder is not running up to speed; also, all the grain may not be threshed from the heads and the separating and cleaning mechanism will not have sufficient motion to do good work.

To test speed of cylinder or other shafts, use a speed indicator.

Replace worn and broken cylinder teeth promptly as they do not thoroughly thresh the grain. Examine teeth daily to see that they are straight and tight. Wrench and straightener are furnished with thresher. Drive new teeth in with hammer, being careful not to mutilate them and tighten securely.

Slotted holes in supporting angles for cylinder shaft bearings provide adjustment for properly aligning cylinder, if ever necessary. **To Adjust:** Loosen bolts holding bearing boxes—**both sides**. Center cylinder teeth in concave teeth using rear concave as a gauge, and secure **L. H. bearing box** to supporting angle, **first**—then secure R. H. bearing box. R. H. bearing should be set so that bearing floats in box—bearing is properly set, when the distance from cylinder hub to inner edge of bearing box is $1\frac{3}{32}$ ". Make sure cylinder turns freely and **bearings do not bind**.

CONCAVES

Use only enough concave teeth to thresh clean, see Page 24. Damp grain, or varieties that are hard to thresh require more rows of concave teeth, set high, than dry grain or where there is an abundance of light straw. Too many rows of teeth are likely to crack grain and break up the straw, resulting in overloading the shoe.

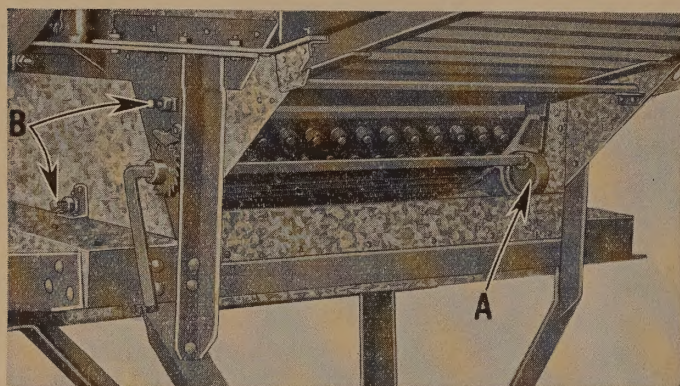


Figure 5—Detail illustrating adjustments for concaves. Cams, "A", setting in slots in the hangers, raise or lower the concaves as lever is operated. Set screws, "B", permit lining up concave teeth with cylinder teeth.

Keep concaves spaced right at all times and be sure that set screws are just tight enough so that there is no lost motion.

Concaves are raised or lowered by means of the adjusting handle on right side of the cylinder housing, see Fig. 5.

Do not set concaves higher than necessary. If raised too high, grain will be cracked and the straw will be broken up too much, making the work of separating difficult. If set too low, heads of grain may pass through unthreshed. After raising or lowering concaves, be sure to tighten set screws "B" in cylinder housing. Secure lock nuts.

The work of separation and cleaning is easier if the work at the cylinder and concaves is not overdone. For threshing most coarse grains, two or three rows of concave teeth will usually be sufficient, if the proper speed is maintained and especially as long as the teeth are new. It is better to use two rows of concave teeth set fairly high, than to use four rows set low. The more teeth used—the more power required.

Concaves should be placed in front. Ordinarily grates should be placed at rear. If grain cracks where necessary to use 4 rows of concave teeth and, if unable to reduce cracking otherwise, try placing grate between concaves.

Corrugated teeth can be furnished for threshing clover and other grains and seeds that are difficult to thresh. (See Page 22.)

To Remove Concaves: Remove cylinder house front door, raise up on feeder pan, then pull feeder pan shoe out and lower feed pan (See Fig. 5). Loosen set screws in cylinder housing on one side only so as not to disturb the proper setting of concave and cylinder teeth. Shift concaves up and down a few times with adjusting handle, to remove dirt and dust which sometimes wedges them. Slide concaves out over concave adjusting shaft. If concaves stick in circles, lay bar in concaves, raise concaves, then rock cylinder back and forth to work concave loose.

Three concaves completely filled with teeth and three bar grates are furnished with machine.

IMPORTANT: Concaves must set so that cylinder teeth are evenly spaced sideways between the teeth in front row on one side and those in the next row on the other. (See Fig. 6.) The spacing between the cylinder and concave teeth when properly adjusted, and the teeth straight is $\frac{5}{32}$ " with concaves in the high position. If concave teeth set closer to cylinder teeth on one side than the other, the opening will be too great on one side, permitting heads to pass through unthreshed, and grain will be cracked and the straw will be broken up too much on the other.

To Obtain Proper Clearance: Loosen lock nut and set screw through cylinder housing at "B", Fig. 5, toward which concaves must be moved. Take up corresponding set screw in opposite housing until desired tooth clearance is obtained. Secure with lock nuts on both sides. **Turn cylinder at least one complete revolution to make sure teeth have the proper clearance and adjustment.** Check every time concaves are replaced in machine. Do not tighten the concave adjusting set screws too tight because it may result in concave circle breakage.

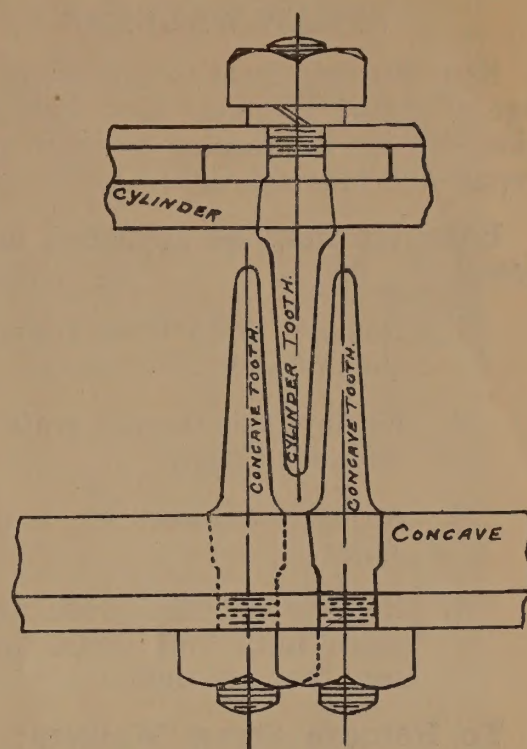


Fig. 6

STRAW WALKERS

Keep walkers clean to insure free passage of grain. Walkers need little attention outside of keeping them in proper repair and bearings tight.

Bearings may be adjusted as follows:

1. Remove bolts from the top of the first step.
2. Let first step support grate down on second step.
3. Adjust bearings by removing shims.
4. Replace support grate and replace nuts and bolts, making sure they are tight.

To Remove Straw Walkers: Open door in rear of wind stacker housing. Remove **upper** half of front bearing and **lower** half of rear bearing boxes with oil pipes and shims, arranging them so that boxes and shims may be put back in their original positions. Remove walkers.

When Replacing more than one Straw Walker: Tighten front bearing first, leaving bolts on the rear bearings loose. Turn cranks several times to center rear bearings. Tighten bolts in rear bearings.

Vibration or jerky operation of straw walkers indicate improper assembling.

Figure 7—Here you see the long, aggressive all-steel straw walkers used in the New John Deere. Each walker has five steps. The front step is constructed so that a large percentage of the grain is deflected through onto grain pan. Long return pans at the rear of walkers return stray kernels to front end of shoe.

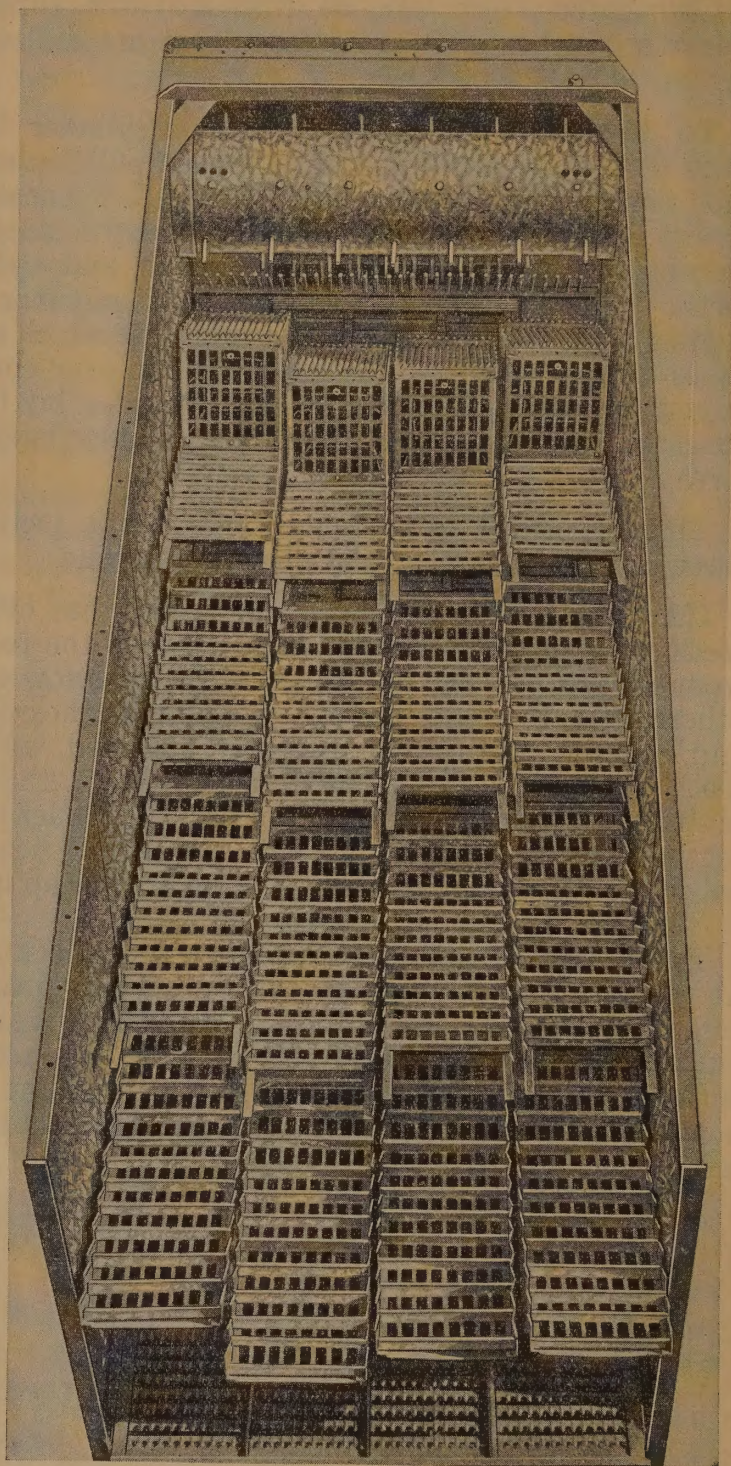


Fig. 7

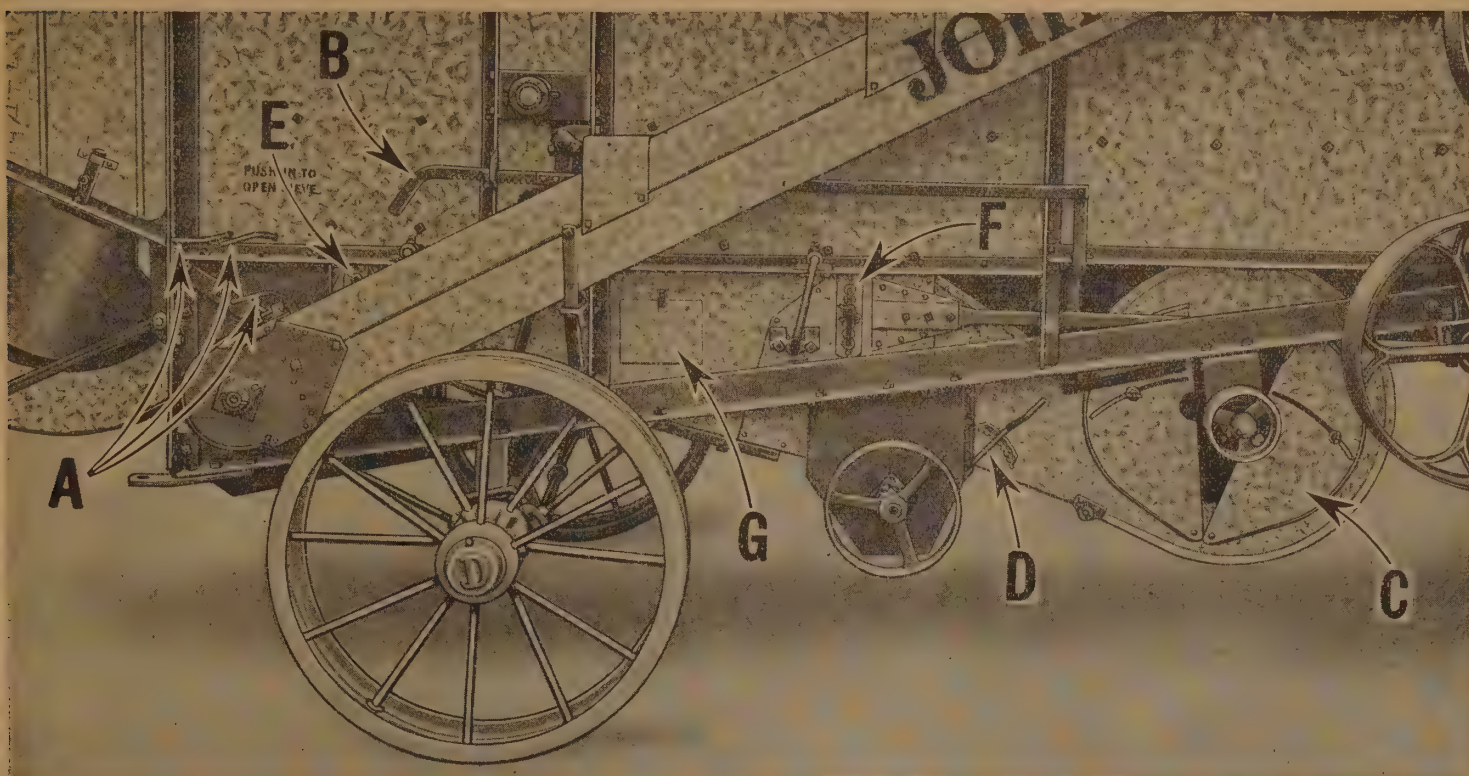


Figure 8—This illustration shows the convenient grouping of the main threshing adjustments. Chaffer on end of grain pan, chaffer extension, and shoe sieve are all adjustable by individual levers located at "A". Blast is controlled by lever, "B". Front wind valves, "C", can be adjusted individually to compensate for side winds. Lever, "D", operates fan chute bottom for placing of blast on sieves. Holes at "E" and "F" provide adjustment for raising or lowering sieves. Hand holes, "G", permit removing bolts that hold sieves in position. Operator can stand at door in wind stacker housing and note grade of work being done and make necessary adjustments accordingly.

SHOE AND WIND

Shoe Pitmans should be inspected regularly and any play in bearings taken up promptly, otherwise breakage and poor cleaning will result. Adjustment is made by loosening nuts, removing shims and tightening bolts. Bearings must not **bind**. Be sure to set lock nut after making adjustment.

Use as much wind as possible without blowing over grain. It should be sufficient to float the chaff. The volume of wind is adjusted by opening or closing the blinds at the ends of the fan housing.

The regular speed of 525 R.P.M. for the fan should be sufficient to clean properly in most conditions, however, should it be necessary for some reason or other to increase the fan blast, S530, 11-1/2" diameter pulley can be ordered for fan shaft to replace S543, 13-1/2" pulley. S530 will operate fan at 627 R.P.M.

To Adjust Wind: Adjust front fan blinds ("C", Fig. 8) first to take care of side wind. (Adjust individually with thumb nut.) Then adjust rear blinds with lever located on the right rear of machine near sieve adjustment. (See "B", Fig. 8.)

The wind from the fan is **directed to the proper point on** the sieves by an adjustable fan bottom. Raising it, throws the wind forward on the sieve. (Use lever located at "D", Fig. 8.)

ADJUSTABLE CHAFFER

Lever to adjust chaffer is located at "A", Fig. 8, on right-hand side of shoe. (Front lever above separator sill.) Pull lever **out** to **close** chaffer, push **in** to **open**. Close chaffer as much as possible and **still** save the grain. Ordinarily, chaffer opening should be $1/2''$ to $5/8''$ for oats and $3/8''$ to $1/2''$ for wheat. If chaffer is closed too much, tailings will be excessive and grain will go "over"—if open too wide, lower sieve will be overloaded. Excessive tailings will result in cracked grain.

Lever to adjust tailings chaffer at rear of adjustable chaffer is located at "A", Fig. 8 (rear lever above separator sill) just to the rear of chaffer adjusting lever. Pull lever **out** to **close** and push **in** to **open**.

Rear end of tailings chaffer may be raised up or down. Bolts at sides of shoe hold tailings chaffer at any desired height. It should be raised only in dry light grain or where grain is inclined to go "over". Ordinarily, tailings chaffer should set on a level with or slightly above chaffer. Tighten nuts to hold at desired position.

End Plate at rear of tailings auger housing should be raised or lowered with chaffer extension. It should always set a trifle lower than Tailings Chaffer.

To Remove Tailings Chaffer: Open door at rear end of Wind Stacker Housing, remove bolts holding chaffer extension to shoe sides. Lift tailings chaffer out rear end of Thresher.

ADJUSTABLE SIEVE

Lever to adjust sieve is located at "A", Fig. 8 (lever below separator sill). Pull lever **out** to **close** sieve—push **in** to **open**. With blast properly regulated and placed, sieve should be opened as wide as possible and still clean the grain. Ordinarily sieve openings should be from $3/8''$ to $1/2''$ for oats and from $1/4''$ to $7/16''$ for wheat. Watch the grain through hand holes in shoe sides at "G", Fig. 8, as it passes through sieves, the grain going into the wagon or sack, and the tailings in the tailings elevator, to check the adjustment. If sieve is closed too much, tailings will be excessive—if opened too wide, it will result in unclean grain.

Adjustment is provided at "F" and "E", Fig. 8, for position of lower sieve. In average conditions, sieve should set level. Sieve is level when it is secured at same hole, counting from the top, at **front** and at **rear**.

In some conditions, better cleaning may be done by raising front end of sieve slightly.

In difficult conditions of wheat, rye, or barley, where there may be an excessive



Figure 9—This view shows the handy door in the rear of the wind stacker through which shoe sieves can be removed.

amount of straw joints or other foreign material of about the same size and weight as the grain, a $9/32''$ round hole wheat sieve instead of the adjustable sieve may give better results.

Special sieves for Flax, Clover, Timothy, etc., are listed on page 23.

The adjustable Chaffer and adjustable Sieve will handle practically any grain condition if properly adjusted. In some extreme cases, a round hole sieve may be used below the adjustable sieve.

To install sieve below adjustable sieve: Loosen nuts holding adjustable sieve, raise sieve out of position and slide front end of sieve forward over rear end of shoe pitman, raise rear end of sieve up out of the way, then slide round hole sieve into shoe and bolt to shoe sides in fourth or fifth hole from top at front and rear. Slide adjustable sieve back into position and bolt at first or second holes.

To Remove Sieve: Disconnect sieve adjusting lever. Remove bolts holding sieve. Slide sieve out rear end of shoe and out through door in Wind Stacker. (See Fig. 9).

Weed Screen for Shoe Floor: Keep Screen Clean: Screen can be cleaned through hand holes in shoe sides by rubbing screen with a lath. In conditions where it continues to clog, remove and replace with blank. Screen is shipped in shoe, as shown at "E", Fig. 10. Blank cheat screen is shipped in rear of Thresher.

Remove cheat screen when threshing Timothy, Clovers, etc., and replace with blank.

TAILINGS ELEVATOR CONVEYOR CHAIN should be tight enough so chain will not jump or climb sprockets, and loose enough so that buckets or flights will drag on bottom of elevator. Chains too tight will wear bearings.

To Adjust: Turn nuts **onto** adjusting bolts at upper end of elevator to **tighten** chain and **off** to **loosen**. Adjust both sides evenly, then tighten lock nuts.

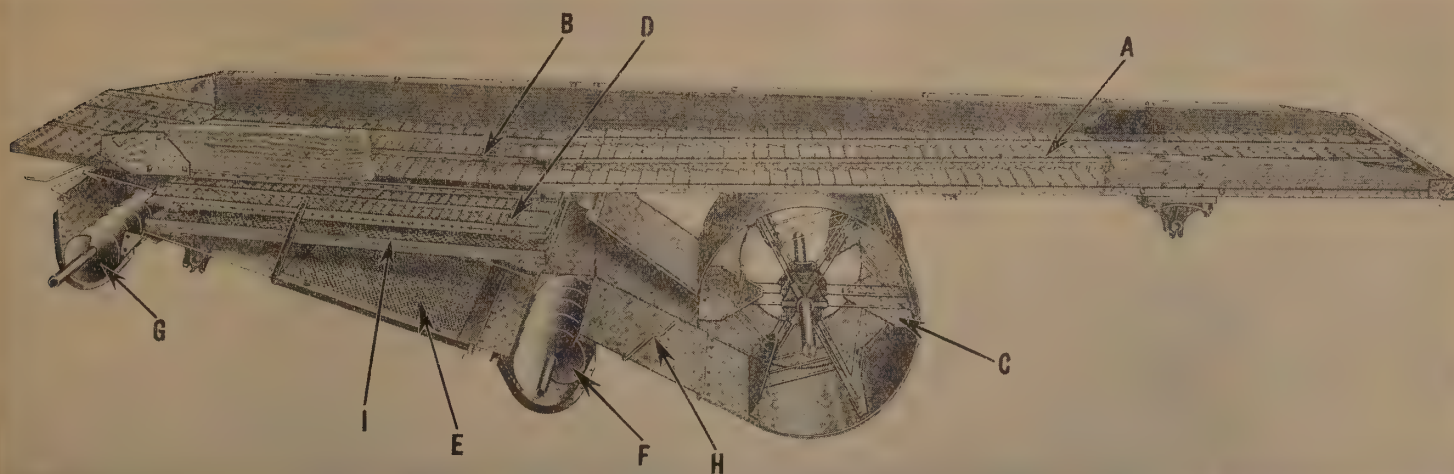


Figure 10—The cutaway view above shows the extra-long grain pan, "A", together with adjustable grain pan chaffer, "B", powerful undershot cleaning fan, "C", adjustable shoe sieve, "D", cheat screen, "E", clean grain auger, "F", tailings auger, "G", and fan blast control lever, "H". Round hole sieve, "I", is extra equipment.

WINDSTACKER

Special drive which oscillates pipe slowly and reverses direction automatically is furnished with machine. Trip pins are packed in a sack and wired to wind stacker platform. Turret gear has a series of holes for trip pins. (See "A", Fig. 13.) With pipe fully extended, a movement of turret gear equal to the distance between holes for pins gives a movement of approximately 6-feet at hood end of pipe. Trip lever works between pins. By proper placing of trip pins, any desired arc of swing is secured. **Trip pins must be removed to swing stacker around or when oscillator is not in use.**

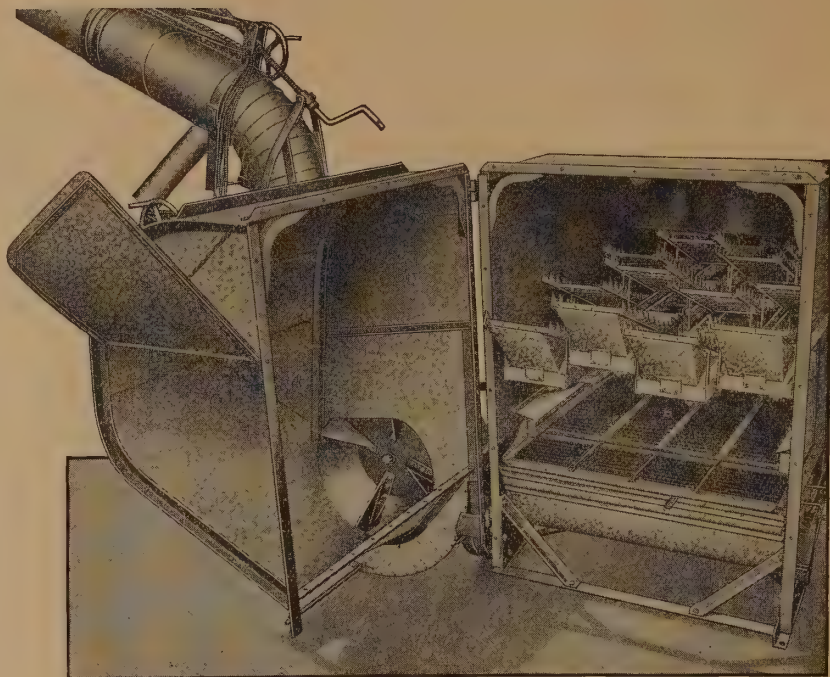


Figure 11—Every thresherman will appreciate the convenience of the hinged blower housing, shown above. Quick accessibility of all parts in the rear is had by removing just a few bolts and swinging housing open. Note handy inspection door in housing.

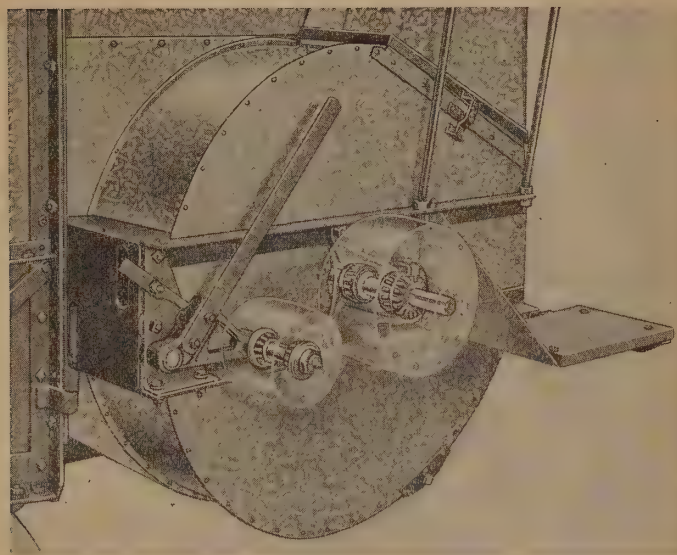


Figure 12—This view shows the offset wind stacker housing, the Rockwood blower drive and tightener pulleys, the Timken bearings on pulley shafts and step at rear of machine from which blower can be operated.

Lever "B", Fig. 13, disengages automatic oscillator so that blower can be moved to any position with hand crank.

Stacker can be swung around by hand without use of hand crank by moving lever "C" forward, as shown. This disengages worm "D" from turret gear.

Handy doors are provided in the side and rear of blower housing for easy access to blower and to permit the easy removal of sieves. Blower housing can also be swung open, as shown in Fig. 11.

Should blower pipe become clogged with damp straw, the complete funnel can be lifted out, as shown in Fig. 14, for cleaning out.

WINDSTACKER—Continued

Tapered roller bearings on wind stacker drive shaft should be adjusted when there is noticeable end play. If adjustment is necessary, remove lock on bearing box at inside of pulley and turn adjusting collar in until pulley binds slightly when turning, then loosen slightly until fan turns freely. Replace lock.

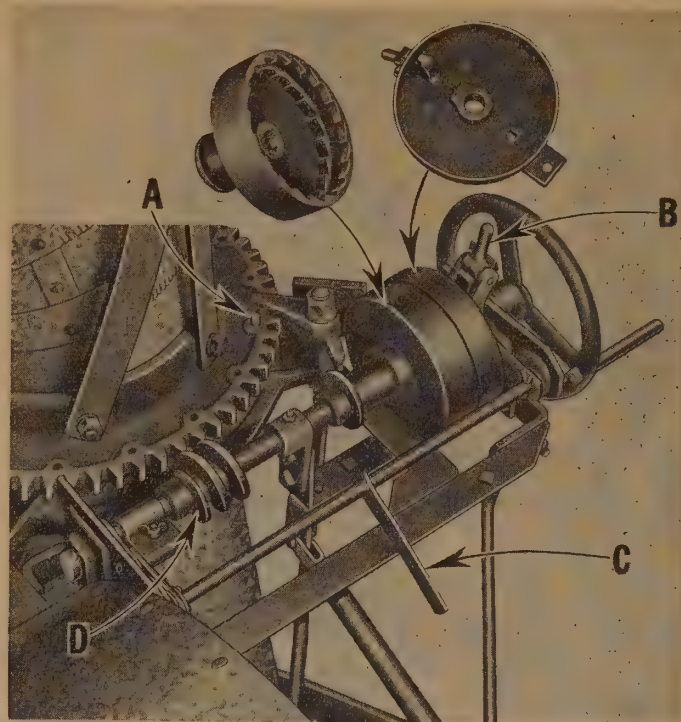


Figure 13—This view shows the simple drive for the oscillator. Steel trip pins placed in ring gear at "A" control swing of blower pipe. These pins strike throw-out lever which moves left-hand housing on drive shaft so that notches engage pawl in right-hand housing. This reverses travel of the blower. "B" disengages automatic oscillator so blower can be moved to any position with hand crank. Worm gear, "D", can be disengaged from ring gear with lever, "C", so that blower can be swung into transporting position without use of handwheel.



Figure 14—Should the wind stacker fan or pipe become clogged, the complete funnel can be removed, as shown here, for cleaning out.

The stacker belt should be kept tight enough to drive fan up to speed but not tight enough to place undue strain on fan shaft bearings.

The **check curtains** indicated by No. 6 in cross sectional drawing on inside of front cover; can be removed or moved to position most suitable for different conditions. If straw is light, move front check curtain forward but if straw is heavy, move curtain to the rear.

BELTING

Before attaching belts, wipe the white powder from the inside of belt with a damp cloth. Adjust tighteners just tight enough so belts will pull the load without slipping. Run belts with **seam side away from pulleys**. When attaching belts, release tension on tightener and turn belts onto pulleys. Forcing on will stretch and damage them so they will not run true. The tailings elevator, clean grain auger and weigher drive belts run crossed. All of the rest run straight.

Set engine so that it lines up with the separator, permitting drive belt to run in the center of drive belt guide and cylinder pulleys. Drive belt guide is on a pivot. After setting guide, be sure to tighten both hand screws. Do not use guide to line up drive belt, except where the wind is inclined to blow the belt to one side of guide pulley.

Keep belts free from grease and dirt. If dirty, clean with soap and water. Keep pulleys clean—Wash with gasoline. **Never use lubricating oil on belts.**

During the first day of operation, check tension of belts frequently—later inspect daily. If tension of belt cannot be taken up with tighteners, remove short belt splices.

Slotted Holes in drive belt tightener brackets for Straw Walker, Beater, and Shoe Drive, and for the Wind Stacker Drive, provide adjustment for squaring tightener pulleys with the other pulleys by moving brackets **forward or backward**. The Straw Walker, Beater, and Shoe Drive Belt tightener can also be moved **in** and **out** to line it up with the other pulleys.

Remove belts when thresher is not in use and place in stacker housing. **Never place belts, blocking, etc., on sieves.**

At the end of the season, remove belts, clean and hang in a cool, dark place.

BELT DRESSING:

Use only Rockwood Belt Pull Dressing. Use no more than necessary to prevent belt slippage and protect pulleys from weather. Apply dressing in a thin, even stream to the belt or pulley surfaces while running.

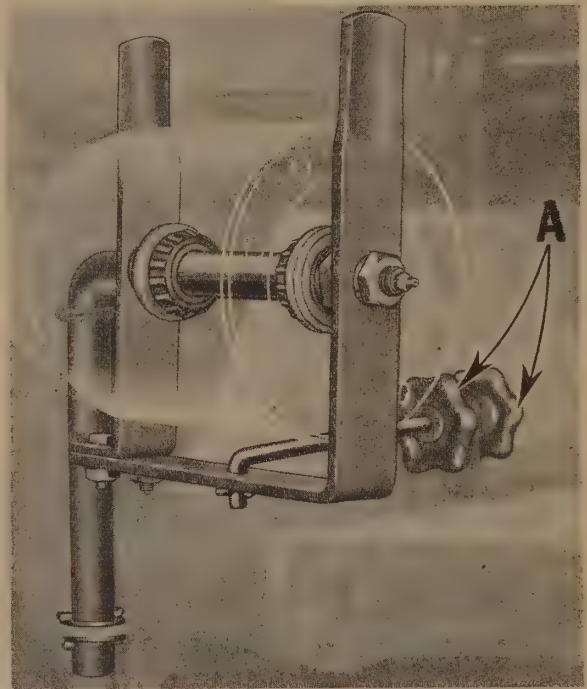


Figure 15—Showing the Timken roller bearing equipped Rockwood guide pulley for the main drive belt. Fine threaded adjustment at "A" aligns belt with main drive pulley.

SIZES AND PART NUMBERS OF DRIVEN PULLEYS ON CYLINDER THAT CAN BE FURNISHED

7"	Diameter.....	S5142
8"	"	S5143
8-1/2"	"	S6642
9"	"	S5144
9-1/2"	"	S6533
10"	"	S5145
10-1/2"	"	S6534
11"	"	S4657
11-1/2"	"	S6507
12"	"	S5146
12-1/2"	"	S8928
13"	"	S5147
14"	"	S5148
15"	"	S9487
16"	"	S8779
18"	"	S8780
20"	"	S8781

HOW TO DETERMINE DIAMETER OF DRIVEN PULLEY FOR CYLINDER

The product of the diameter and speed of the tractor pulley equals the product of the diameter and speed of the thresher pulley: Consequently, if the speed and the diameter of the tractor pulley are known, multiply them together and divide by the speed at which cylinder is to be operated; the result will be the size of pulley needed.

Example: Drive pulley on tractor is 13" in diameter and runs at 975 R.P.M. and the desired cylinder speed is 1050, $975 \times 13 = 12,675$. $12,675 \div 1050 = 12'' +$

Consulting the above table of cylinder pulleys, we find the number of the 12" pulley is S5146.

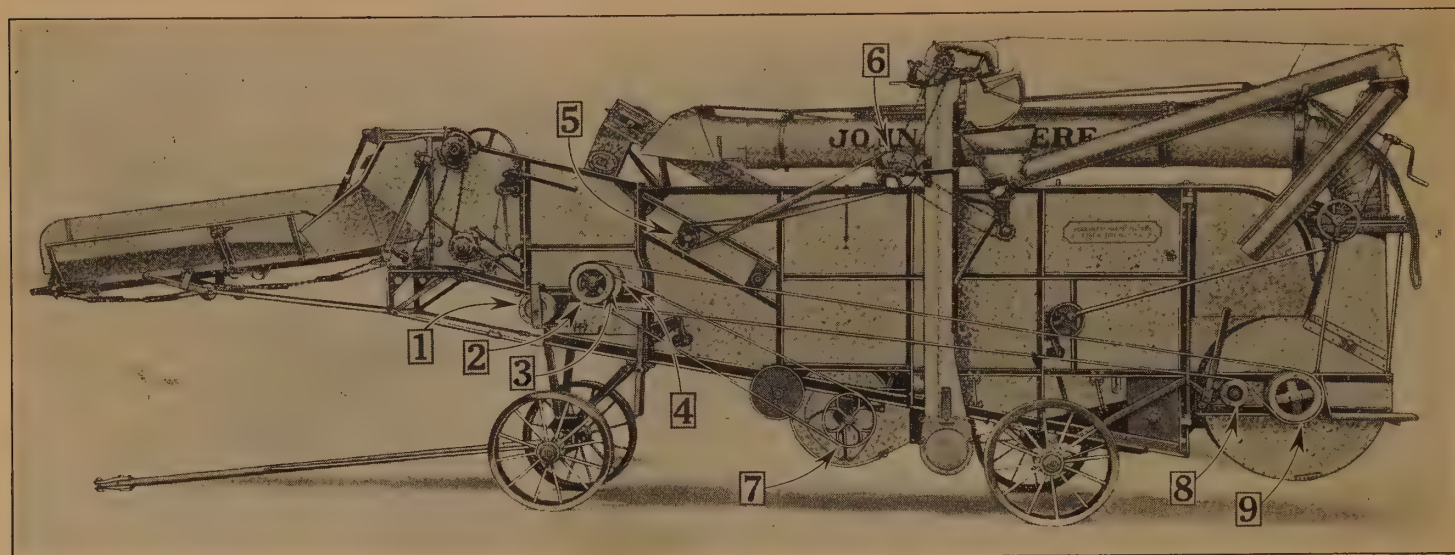


Fig. 16

SHOWING LEFT-HAND SIDE OF THRESHER

PULLEY SPECIFICATIONS

No.	Part No.	Diameter	Face W.	Bore	R.P.M.
1	S8324	8-1/4"	8-3/4"	2-23/32"	†
2	S4658	10-1/2"	5-1/2"	1-15/16"	1050
3	S8338	6-7/8"	4-1/2"	1-15/16"	1050
*4	S6507	11-1/2"	8"	1-15/16"	1050
5	3165	5-3/4"	3-1/4"	1-1/4"	456
6	2747	9-3/4"	3-1/4"	7/8"	269
7	S543	13-1/2"	4-1/2"	1-1/4"	525
8	S8588	6-1/8"	5-1/2"	2-11/16"	1800
9	S7331	11-3/4"	5-1/2"	1-5/8"	938

*Size of pulley optional. Sizes 7" to 20", see page 15.

†Depends on size and R.P.M. of tractor pulley.

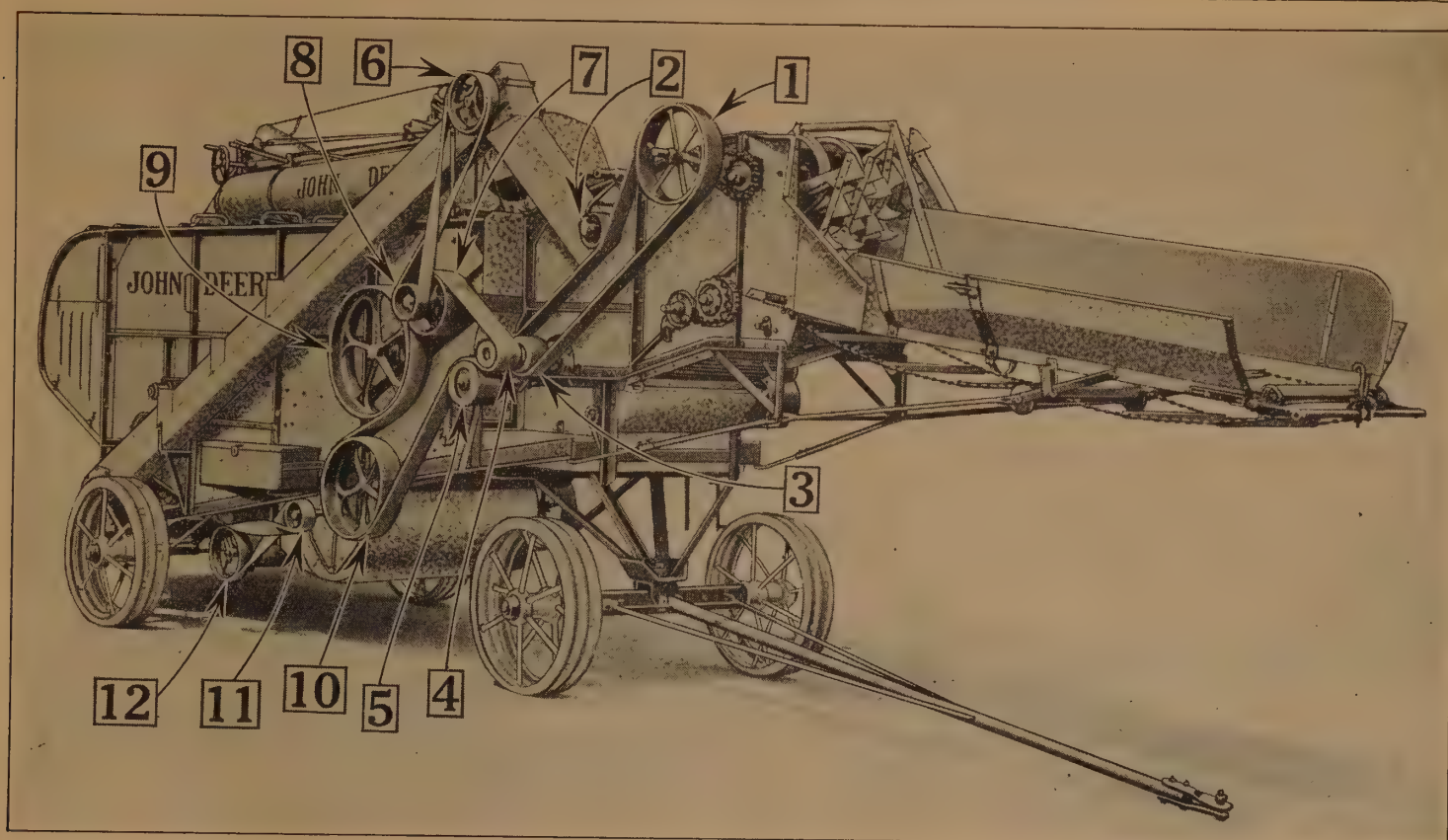


Fig. 17

**SHOWING RIGHT-HAND SIDE OF THRESHER
PULLEY SPECIFICATIONS**

No.	Part No.	Diameter	Face W.	Bore	R.P.M.
1	Y830	16"	4-5/8"	1-3/16"	451
2	Y883	6"	4-1/2"	7/8"	1204
3	S8338	6-7/8"	4-1/2"	1-15/16"	1050
4	S7332	5"	5-1/2"	1-15/16"	1050
5	S8588	6-1/8"	5-1/2"	2-11/16"	857
6	S440	13-3/4"	2-3/4"	7/8"	207
7	S530	11-1/2"	5-1/2"	1-1/4"	456
8	S526	6-1/4"	2-3/4"	1-1/4"	456
9	S588	25-1/4"	5-1/2"	1-1/2"	208
10	S598	21-7/8"	5-1/2"	1-1/2"	240
11	S529	5-3/4"	2-3/4"	1-1/4"	525
12	S375	10-3/4"	2-3/4"	1-1/16"	281

WEIGHER:

Hart Weighers require little attention but all parts should be properly adjusted.

The elevating chain should have proper tension. If too tight, it will cut sprockets and if too loose, is apt to jump a tooth on lower sprocket and break the chain.

A speed of 276 R.P.M. on head shaft should be maintained.

See that hangers are perfectly free and do not bind.

Trip pin stop should be placed so that blank part of gear is directly under drive pinion when weighing hopper is closed.

Trip pin should rest squarely against stop and about 1/8" to 5/32" deep when hopper is closed.

Hopper valve should swing freely and rest evenly against stop on back of hopper to prevent leaking while hopper is filling.

Hopper valve pitman should be loose on pins when valve is closed so it will act quickly when trip stop releases.

For further information, see Instruction Sheet in Envelope.

WEIGHTS OF GRAIN AND SEEDS PER BUSHEL:

Alfalfa.....	60 lbs.	Flax.....	56 lbs.
Barley.....	48 "	Millet (Common)	50 "
Beans (White)	60 "	Oats.....	32 "
Beans (Soy).....	60 "	Orchard Grass.....	14 "
Buckwheat.....	52 "	Peas.....	60 "
Blue Grass.....	14 "	Red Top.....	14 "
Clover.....	60 "	Rye.....	56 "
Clover (Sweet).....	60 "	Timothy.....	45 "
Corn (Kafir).....	56 "	Wheat.....	60 "

SHORT METHOD OF DETERMINING APPROXIMATE NUMBER OF BUSH-ELS OF GRAIN IN BIN OR WAGON: Multiply the length by height and then by width (in feet). Multiply the result by 8 and cut off the right-hand figure. The result is the approximate number of bushels. For example, 12-ft. L. x 10-ft. W. x 6-ft. H. x 8 = 576.0.

SOYBEAN THRESHING EQUIPMENT

It will be necessary to provide a cylinder driven pulley of the proper diameter to operate the cylinder at 600 R.P.M. See page 15.

Special pulleys are furnished for cylinder shaft to maintain normal speed for all other units. The parts furnished are:

12399-GG Crate of pulleys and parts consisting of:

1-S8807—8-3/4" Straw walker and beater drive pulley.

Replaces S7332—5" pulley.

1-S8827—18-1/4" Wind Stacker Blower Drive Pulley.

Replaces S4658—10-1/2" pulley.

2-S8821—12" fan and feeder drive pulleys. Replaces S8338—6-7/8" pulley.

Fan and feeder drive pulleys.

It is necessary to move the tightener pulley down because of the larger drive pulley (S8807) used on cylinder shaft. The following parts are furnished:

1-AS2076—Straw Walker and Beater Drive Belt Tightener, Inner Bracket, Complete.

1-S8817—Straw Walker and Beater Drive Belt Tightener, Outer Bracket.
Replaces S8444.

1-S8819—Straw Walker and Beater Drive Belt Tightener Arm dog. Replaces S8725.

12400-GG Belt splices for 22" Thresher.

12401-GG Belt splices for 28" Thresher.

When threshing soybeans operators usually use regular adjustable chaffer, adjustable sieve and cheat screen furnished with machine. If conditions are such that a special sieve or cheat screen is needed the following can be furnished on special order:

AS2012—3/8" Rd. Hole Sieve, 22".

AS2013—3/8" Rd. Hole Sieve, 28".

AS2026—1/8" x 3/4" slotted hole cheat screen, 22".

AS2027—1/8" x 3/4" slotted hole cheat screen, 28".

PARTS TO CHANGE CYLINDER SPEED FROM 600 R.P.M. TO 1050 R.P.M.

See Page 29.

LESPEDA THRESHING EQUIPMENT

- 12489-GG 22" Lespedeza sieve and wood concaves consisting of:**
 AS2537—9/64" Rd. Hole Lower Sieve.
 2-S9052—Wood Concaves, Rear. Replaces concave grates.
 3-S9050—Wood Concaves, Front. Replaces regular concaves.
- 12490-GG 28" Lespedeza sieve and wood concaves consisting of:**
 AS2538—9/64" Rd. Hole Lower Sieve.
 2-S9053—Wood Concaves, Rear. Replaces concave grates.
 3-S9051—Wood Concaves, Front. Replaces regular concaves.
- 12491-GG 22" and 28" Fan Pulley with Splice consisting of:**
 S 646—16" Fan Driven Pulley.
 AS1582—Fan Belt Splice, complete.
- 12537-GG AS2022, 3/64" Rd. Hole Cheat Screen for 22" Thresher.**
- 12538-GG AS2023, 3/64" Rd. Hole Cheat Screen for 28" Thresher.**
- For Lespedeza recleaner and recleaner sieve equipment, see page 26.**

ADJUSTMENTS NEEDED FOR THRESHING LESPEDA

Speed

The proper cylinder speed is 975 R.P.M. This is obtained by slowing down tractor as load of threshing is not great.

When the cylinder speed is reduced to 975 R.P.M. the speed of the various other units are as follows:

	Normal Speed	Reduced Speed
Beater.....	456	424
Straw Walker Crank.....	208	201
Shoe and Grain pan crank...	240	221
Fan.....	525	419

Concaves

One regular concave with small grain teeth with front row of teeth removed and 4 special wood concaves. Use regular concave in front position with 4 special wood concaves in the rear positions. Set concaves well away from cylinder.

Fan

Fan shutters should be closed until they are about 1" or 1-1/2" apart. Lower wind deflector handle into third notch from rear.

Feeder

Loosen governor springs to compensate for reduced cylinder speed and start feeder conveyor quicker.

Open retarder fingers for dry material. Close for damp material.

Reduce tension on spring for adjusting of upper feed pans so that material will not be held by feed pans too long.

RICE THRESHING EQUIPMENT

It is necessary to provide a cylinder driven pulley of the proper diameter to secure a speed of 825 R.P.M. See Page 15.

Special pulleys for cylinder shaft are furnished to maintain normal speed of all units, except feeder drive pulley which reduces the speed of feeder below normal.

The parts furnished are as follows:

12365-GG Crate of pulleys consisting of:

1-S5427—13-3/8" Wind Stacker Blower Drive Pulley.

1-S5428—8" Fan Drive Pulley.

1-S8778—6-3/8" Beater and Straw Walker Drive Pulley.

1-S8812—7-1/2" Feeder Drive Pulley.

12363-GG Belt Splices for 22" Thresher.

12364-GG Belt Splices for 28" Thresher.

12558-GG Chaffer Finger Bar, 22".

12559-GG Chaffer Finger Bar, 28".

Operators ordinarily use regular adjustable chaffer, adjustable sieve and cheat screen furnished with machine. If conditions are such that special cheat screens are needed the following can be furnished on special order:

AS2030—1/14" x 1/2" slotted holes cheat screen for 22" Thresher.

AS2031—1/14" x 1/2" slotted holes cheat screen for 28" Thresher.

Special Feeder Instructions for Rice Threshing Speed Governor

The adjusting bolts on speed governor weights at "A" and "B" on illustration under "Speed Governor" in feeder booklet attached to rear cover, should be loosened so that feed carrier chain will start running when cylinder has reached a speed of 800 R.P.M. This adjustment becomes necessary because of the reduction of feeder speed.

Feed Pressure Spring

Follow instructions given under "To adjust upper feed pans and volume control" as explained in feeder booklet with the exception of instructions concerning adjustment of spring. The distance at "D", illustration No. 1, must be 3-1/2" instead of the normal 2-1/4". This is to provide more even feeding and better tearing apart of bundles.

CLOVER THRESHING EQUIPMENT

- 12360-GG** Set of Clover concaves for 22" thresher consisting of:
 2-AS2078—Concaves with 3 rows of S407 corrugated teeth, front and rear.
 1-AS2080—Concave with 3 rows of S407 corrugated teeth, center.
- 12361-GG** Set of Clover concaves for 28" thresher consisting of:
 2-AS2079—Concaves with 3 rows of S407 corrugated teeth, front and rear.
 1-AS2081—Concave with 3 rows of S407 corrugated teeth, center.
- 12409-GG** 1/10" Round hole sieve for 22" thresher.
- 12410-GG** 1/10" Round hole sieve for 28" thresher.

FOR CLOVER RECLEANER AND RECLEANER SIEVE EQUIPMENT

See Page 25

ALFALFA STRAW WALKERS can be furnished for threshing Alfalfa or where conditions are such that considerable trash falls through to grain pan and overloads chaffer. The Alfalfa Walker is made up of 2 steps, one at front end, and another at the rear end. The surface between the two steps is flat. Bottom of walker is corrugated and is perforated with 1/2" Round holes instead of the regular 7/8x1-5/8" slots.

Shipping package numbers for Alfalfa Straw Walkers:

12366-GG Set of Alfalfa Straw Walkers for 22" thresher.

12367-GG Set of Alfalfa Straw Walkers for 28" thresher.

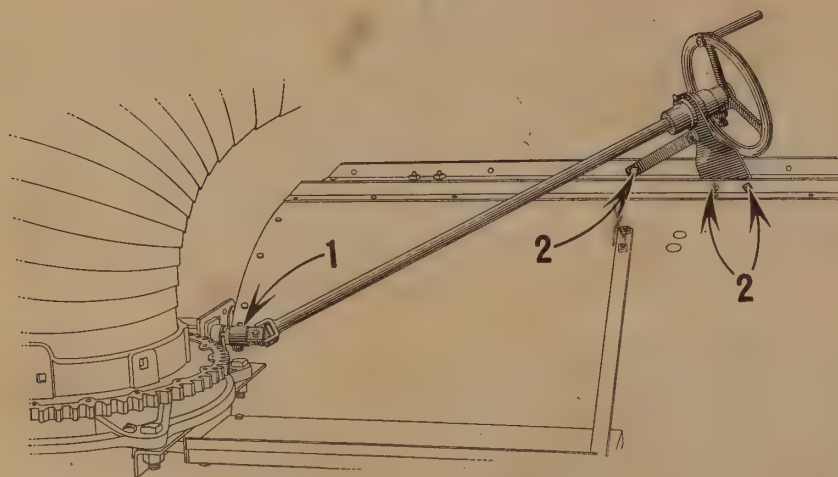


Fig. 18

12464-GG HAND WHEEL ATTACHMENT FOR OPERATING BLOWER PIPE FROM THRESHER DECK

Instructions for Attaching:

1. Bolt universal joint to R. H. end of blower worm drive shaft.
2. Bolt hand wheel support bracket and brace to separator rear deck angle.

SIEVE EQUIPMENT

22"		28"
REGULAR SIEVE EQUIPMENT		
AS2515	Adjustable Chaffer at Rear End of Grain Pan.....	AS2516
AS2566	Adjustable Sieve in Shoe.....	AS2567
AS2513	Adjustable Tailings Chaffer at Rear End of Adjustable Chaffer.....	AS2514
AS1960	Cheat Screen 1/12" Rd. Hole for Shoe Bottom.....	AS1961
AS2040	Blank Sheet for Shoe Bottom.....	AS2041
SPECIAL SIEVE EQUIPMENT		
AS1778	No Choke No. 11 Chaffer.....	AS1779
AS2054	No Choke No. 2 Chaffer.....	AS2055
AS2056	No Choke No. 3 Chaffer.....	AS2057
AS2058	No Choke No. 0 Tailings Chaffer.....	AS2059
AS2053	Finger Bar Extension for Chaffer.....	AS2060
AS2000	9/32" Rd. Hole Sieve (Wheat, Rye, and Barley).....	AS2001
AS2002	1/16" Rd. Hole Sieve (Timothy).....	AS2003
AS2004	5/32" Rd. Hole Sieve (Flax and Radish).....	AS2005
AS2006	1/10" Rd. Hole Sieve (Clover and Alfalfa).....	AS2007
AS2010	13/64" Rd. Hole Sieve (Flax).....	AS2011
AS2012	3/8" Rd. Hole Sieve (Soy Beans).....	AS2013
AS2014	7/16" Rd. Hole Sieve (Pea and Beans).....	AS2015
AS2016	9/16" Rd. Hole Sieve (Pea and Beans).....	AS2017
AS2018	7/32"x1/8" Diamond Hole Sieve (Garden Seed).....	AS2019
AS2020	3/32"x1/2" Slotted Hole Sieve (Orchard Grass).....	AS2021
AS2537	9/64" Rd. Hole Sieve (Lespedeza).....	AS2538
AS2639	Finger Bar Extension for Chaffer (Rice).....	AS2640
CHEAT SCREENS		
AS2022	3/64" Rd. Hole Cheat Screen (Lespedeza).....	AS2023
AS2024	5/32" Triangular Hole Cheat Screen.....	AS2025
AS2026	1/8"x3/4" Slotted Hole Cheat Screen (Beans).....	AS2027
AS2028	1/12"x1/2" Slotted Hole Cheat Screen (Rice).....	AS2029
AS2030	1/14"x1/2" Slotted Hole Cheat Screen (Rice).....	AS2031

RECOMMENDATIONS FOR SIEVES, CYLINDER SPEED, CONCAVES

	Wheat	Oats	Rye	Barley and Speltz	Alfalfa and Clover	Timothy	Flax	Soy Beans
Cylinder Speed.....	1050	1050	1050	1050	1050	1050	1050	600
Chaffer—22"..... —28".....	AS2515 AS2516	AS2515 AS2516	AS2515 AS2516	AS2515 AS2516	AS2515 AS2516	AS2515 AS2516	AS2515 AS2516	AS2515 AS2516
Lower Sieve—22"..... —28".....	AS2566 or AS2000 AS2567 or AS2001	AS2566 AS2567	AS2566 or AS2000 AS2567 or AS2001	AS2566 or AS2000 AS2567 or AS2001	AS2566 and AS2006 AS2567 and AS2007	AS2566 and AS2002 AS2567 and AS2003	AS2004 AS2005	AS2566 or AS2014 AS2567 or AS2015
Concaves (Usually sufficient for most conditions).....	2-3 rows of teeth	1-2 rows	1-2 rows	2-3 rows	3-9 rows *	3-6 rows	3-6 rows	1-2 rows or none
Remarks:					Set Con- caves high	Set Con- caves high	Set Con- caves high	Set Con- caves low

*Corrugated teeth are recommended. See page 22.

SPECIAL EQUIPMENT

RECLEANER

For Clovers, Timothy, Garden Seeds, and Weedy Grain, recleaner is necessary where exceptionally good cleaning is required. Recleaner sets on R. H. side of thresher.

OPERATING INSTRUCTIONS FOR RECLEANER:

Make sure that Thresher is **level** both **crosswise** and **lengthwise**. Adjust separator shoe to do best work possible, so that recleaner is not overloaded.

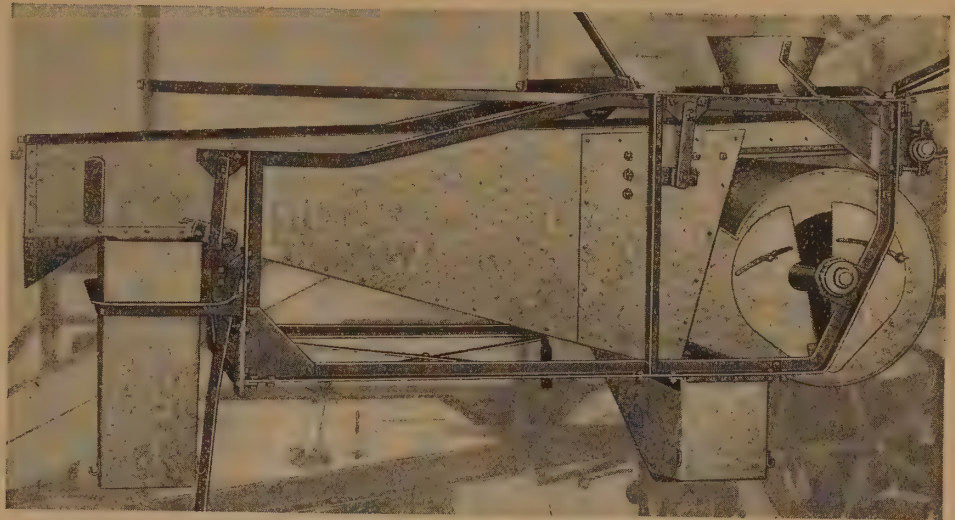


Figure 19—For threshing clover, lespedeza, timothy, and garden seeds where exceptionally careful cleaning is desired, an extra-large recleaner, shown above, can be furnished.

Cover is used to keep rain and dew out of recleaner. Remove cover when recleaner is in operation. Keep cover on recleaner at night and when not in use.

Use as much wind as possible without blowing over seed. It should be strong enough to float the chaff. The volume of wind is adjusted by opening or closing the blinds at the ends of fan housing. Tighten wing nuts to hold adjustment.

Disconnect hopper gate pitman from hopper tally drive shaft. Lock hopper gate open with S6996, special hopper hook, so that the seed flows continuously and evenly into the recleaner.

SHIPPING PACKAGES OF RECLEANER AND RECLEANER SIEVES FOR THRESHING VARIOUS CROPS

12422-GG Clover Recleaner Complete with Screens consisting of:

- 1-AS2273 7/64" Rd. Hole Sieve, Top.
- 1-AS2275 3/32" Rd. Hole Sieve, Middle.
- 1-AS2276 5/64" Rd. Hole Sieve, Bottom.
- 1-AS2277 1/16" Rd. Hole Sieve, Bottom.
- 1-AS2279 3/64" Rd. Hole Sieve, Bottom.
- 1-AS2280 14 x 14 Wire Mesh Sieve, Middle.
- 1-AS2282 24 x 24 Wire Mesh Cheat Screen.
- 1-AS2283 30 x 30 Wire Mesh Cheat Screen.

RECLEANER—Continued**12511-GG Lespedeza Recleaner Complete with Screens consisting of:**

- 1-AS2276 5/64" Rd. Hole Sieve, Bottom.
- 1-AS2277 1/16" Rd. Hole Sieve, Bottom.
- 1-AS2279 3/64" Rd. Hole Sieve, Bottom.
- 1-AS2280 14 x 14 Wire Mesh Sieve, Middle.
- 1-AS2273 7/64" Rd. Hole Sieve, Top.
- 1-AS2272 9/64" Rd. Hole Sieve, Middle.
- 1-AS2281 3/64" Rd. Hole Cheat Screen.
- 1-AS2274 1/8" Rd. Hole Sieve, Middle.

12512-GG Radish Recleaner Complete with Screens consisting of:

- 1-AS2276 5/64" Rd. Hole Sieve, Bottom.
- 1-AS2277 1/16" Rd. Hole Sieve, Bottom.
- 1-AS2279 3/64" Rd. Hole Sieve, Bottom.
- 1-AS2280 14 x 14 Wire Mesh Sieve, Middle.
- 1-AS2282 24 x 24 Wire Mesh Cheat Screen.
- 1-AS2283 30 x 30 Wire Mesh Cheat Screen.
- 1-AS2271 11/64" Rd. Hole Sieve, Top.
- 1-AS2272 9/64" Rd. Hole Sieve, Middle.

12513-GG White Dutch Clover Recleaner Complete with Screens consisting of:

- 1-AS2273 7/64" Rd. Hole Sieve, Top.
- 1-AS2275 3/32" Rd. Hole Sieve, Middle.
- 1-AS2277 1/16" Rd. Hole Sieve, Bottom.
- 1-AS2279 3/64" Rd. Hole Sieve, Bottom.
- 1-AS2280 14 x 14 Wire Mesh Sieve, Middle.
- 1-AS2282 24 x 24 Wire Mesh Cheat Screen.
- 1-AS2283 30 x 30 Wire Mesh Cheat Screen.
- 1-AS2278 1/20" Rd. Hole Sieve, Bottom.

**The Following Sets of Recleaner Screens Can be Furnished
to Change From One Crop to Another:**

12514-GG Screens to Change from Clover to Lespedeza consisting of:

- 1-AS2272 9/64" Rd. Hole Sieve, Top.
- 1-AS2274 1/8" Rd. Hole Sieve, Middle.
- 1-AS2281 3/64" Rd. Hole Cheat Screen.

12515-GG Screens to change from Clover to Radish consisting of:

- 1-AS2271 11/64" Rd. Hole Sieve, Top.
- 1-AS2272 9/64" Rd. Hole Sieve, Middle.

12516-GG Screens to change from Clover to White Dutch Clover Consisting of

- 1-AS2278 1/20" Rd. Hole Sieve, Bottom.

RECLENER—Continued

- 12517-GG Screens to change from lespedeza to Clover consisting of:**
1-AS2283 30 x 30 Wire Mesh Cheat Screen.
1-AS2275 3/32" Rd. Hole Sieve, Middle.
1-AS2282 24 x 24 Wire Mesh Cheat Screen.
- 12518-GG Screens to change from Radish to Clover consisting of:**
1-AS2273 7/64" Rd. Hole Sieve, Top.
1-AS2275 3/32" Rd. Hole Sieve, Middle.
- 12519-GG Screens to change from White Dutch Clover to Clover consisting of:**
1-AS2276 5/64" Rd. Hole Sieve, Bottom.
- 12520-GG Screens to change from Lespedeza to Radish consisting of:**
1-AS2282 24 x 24 Wire Mesh Cheat Screen.
- 12521-GG Screens to change from Lespedeza to White Dutch Clover Consisting of:**
1-AS2283 30 x 30 Wire Mesh Cheat Screen.
1-AS2282 24 x 24 Wire Mesh Cheat Screen.
1-AS2275 3/32" Rd. Hole Sieve, Middle.
1-AS2278 1/20" Rd. Hole Sieve, Bottom.
- 12522-GG Screens to change from Radish to Lespedeza consisting of:**
1-AS2272 9/64" Rd. Hole Sieve, Top.
1-AS2274 1/8" Rd. Hole Sieve, Middle.
- 12523-GG Screens to change from White Dutch Clover to Radish consisting of:**
1-AS2276 5/64" Rd. Hole Sieve, Bottom.
1-AS2271 11/64" Rd. Hole Sieve, Top.
1-AS2272 9/64" Rd. Hole Sieve, Middle.
- 12524-GG Screens to change from White Dutch Clover to Lespedeza consisting of:**
1-AS2276 5/64" Rd. Hole Sieve, Bottom.
1-AS2272 9/64" Rd. Hole Sieve, Top.
1-AS2274 1/8" Rd. Hole Sieve, Middle.
1-AS2281 3/64" Rd. Hole Cheat Screen.
- 12525-GG Screens to change from Radish to White Dutch Clover consisting of:**
1-AS2273 7/64" Rd. Hole Sieve, Top.
1-AS2275 3/32" Rd. Hole Sieve, Middle.
1-AS2278 1/20" Rd. Hole Sieve, Bottom.

RECLENER SIEVE EQUIPMENT RECOMMENDED FOR DIFFERENT CROPS.**Alfalfa and Sweet Clover:**

- AS2273 Sieve Top, 7/64" Rd. Hole.
- AS2275 Sieve Middle, 3/32" Rd. Hole.
- AS2276 Sieve Bottom, 5/64" Rd. Hole.
- AS2282 Cheat Screen, 24x24 Wire Mesh.

Red Clover:

- AS2273 Sieve Top, 7/64" Rd. Hole, } Depending on Conditions.
- or
- AS2276 Sieve Top, 5/64" Rd. Hole. }
- AS2280 Sieve Middle, 14x14 Wire Mesh.
- AS2277 Sieve Bottom, 1/16" Rd. Hole.
- AS2283 Cheat Screen, 30x30 Wire Mesh.

White Dutch Clover:

- AS2276 Sieve Top, 5/64" Rd. Hole.
- AS2277 Sieve Middle, 1/16" Rd. Hole.
- AS2278 Sieve Bottom, 1/20" Rd. Hole.
- AS2283 Cheat Screen, 30x30 Wire Mesh.

Timothy:

- AS2273 Sieve Top, 7/64" Rd. Hole.
- AS2276 Sieve Middle, 5/64" Rd. Hole.
- AS2277 Sieve Bottom, 1/16" Rd. Hole.
- AS2283 Cheat Screen, 30x30 Wire Mesh.

Alsike:

- AS2273 Sieve Top, 7/64" Rd. Hole, } Depending on Conditions.
- or
- AS2276 Sieve Top, 5/64" Rd. Hole. }
- AS2280 Sieve Middle, 14x14 Wire Mesh.
- AS2279 Sieve Bottom, 3/64" Rd. Hole.
- AS2283 Cheat Screen, 30x30 Wire Mesh.

Lespedeza:

- AS2272 Sieve Top, 9/64" Rd. Hole.
- AS2274 Sieve Middle, 1/8" Rd. Hole.
- AS2273 Sieve Bottom, 7/64" Rd. Hole.
- AS2281 Cheat Screen, 3/64" Rd. Hole.

Red Top:

- AS2275 Sieve Top, 3/32" Rd. Hole.
- AS2277 Sieve Middle, 1/16" Rd. Hole.
- AS2279 Sieve Bottom, 3/64" Rd. Hole.
- AS2283 Cheat Screen, 30x30 Wire Mesh.

Radishes:

- AS2271 Sieve Top, 11/64" Rd. Hole.
- AS2272 Sieve Middle, 9/64" Rd. Hole.
- AS2282 Cheat Screen, 24x24 Wire Mesh.

SLOW SPEED EQUIPMENT

PARTS FOR OPERATING CYLINDER AT 600 R.P.M. WHEN JACK SHAFT ATTACHMENT IS NOT USED

It is necessary to provide a cylinder driven pulley of the proper diameter to operate cylinder at 600 R.P.M. See Page 15.

Special pulleys are furnished for cylinder shaft to maintain normal speed for all other units. The parts furnished are:

12399-GG Crate of pulleys and parts consisting of:

- 1- S8807—8-3/4" Straw Walker and Beater Drive Pulley.
- 1- S8827—18-1/4" Wind Stacker Blower Drive Pulley.
- 2- S8821—12" Fan and Feeder Drive Pulleys.
- *1-AS2076—Straw Walker and Beater Drive Belt Tightener Inner Bracket, Complete.
- *1- S8817—Straw Walker and Beater Drive Tightener, Outer Bracket. Replaces S8444.
- *1- S8819—Straw Walker and Beater Drive Belt Tightener Arm Dog. Replaces S8725.

***Note:** It is necessary to move the tightener pulley for Straw Walker and Beater Drive Belt down because of the larger drive pulley (S8807) used on cylinder shaft.

12400-GG Belt Splices for 22" thresher.

12401-GG Belt Splices for 28" thresher.

PARTS FOR CHANGING CYLINDER SPEED FROM 600 R.P.M. TO 1050 R.P.M.

It will be necessary to provide a cylinder driven pulley to operate cylinder at 1050 R.P.M. See Page 15.

12402-GG Crate of Pulleys and parts consisting of:

- 1- S7332—5" Straw Walker and Beater Drive Pulley.
- 1- S4658—10-1/2" Wind Stacker Blower Drive Pulley.
- 2- S8338—6-7/8" Fan and Feeder Drive Pulleys.
- 1-AS1954—Tightener Bracket, Inner, Complete.
- 1- S8441—Tightener Bracket, Outer.
- 1- S8725—Tightener Arm Dog.

SLOW SPEED EQUIPMENT—Continued

PARTS FOR OPERATING CYLINDER AT 825 R.P.M.

It is necessary to provide a cylinder driven pulley of the proper diameter to secure this speed. See page 15.

Special pulleys are furnished for cylinder shaft to maintain normal speed for all other units.

The parts furnished are as follows:

12362-GG Crate of Pulleys consisting of:

- 1-S5427—13-3/8" Wind Stacker Blower Drive Pulley.
- 2-S5428—8" Fan Drive and Feeder Drive Pulleys.
- 1-S8778—6-3/8" Beater and Straw Walker Drive Pulley.

12363-GG Belt Splices for 22" Thresher.

12364-GG Belt Splices for 28" Thresher.

PARTS FOR CHANGING CYLINDER SPEED FROM 825 R.P.M. TO 1050 R.P.M.

It is necessary to provide a cylinder driven pulley of the proper diameter to operate cylinder at 1050 R.P.M. See page 15.

12403-GG Crate of Pulleys consisting of:

- 1-S7332—5" Straw Walker and Beater Drive Pulley.
- 1-S4658—10-1/2" Wind Stacker Drive Pulley.
- 2-S8338—6-7/8" Fan and Feeder Drive Pulleys.

SLOW SPEED ATTACHMENT

For Obtaining Cylinder Speeds of 300, 394 and 600 R.P.M.

12429-GG Jack Shaft and Pulleys for 22" Thresher.

12430-GG Jack Shaft and Pulleys for 28" Thresher.

12552-GG S421, 44-Tooth Sprocket on L. H. End of Cylinder Shaft for 300 R.P.M.

12553-GG S486, 32-Tooth Sprocket on L. H. End of Cylinder Shaft for 394 R.P.M.

12551-GG S420, 22-Tooth Sprocket on L. H. End of Cylinder Shaft for 600 R.P.M.

12554-GG S8910, 12-Tooth Sprocket on L. H. End of Cylinder Shaft for 1050 R.P.M.
To operate cylinder at 1050 R.P.M. without removing jack shaft attachment.
To use this sprocket it is necessary to remove S581 clamp collar from L. H. end of cylinder shaft and replace it with S8910, 12-tooth sprocket.

DIRECTIONS FOR ATTACHING SLOW SPEED ATTACHMENT

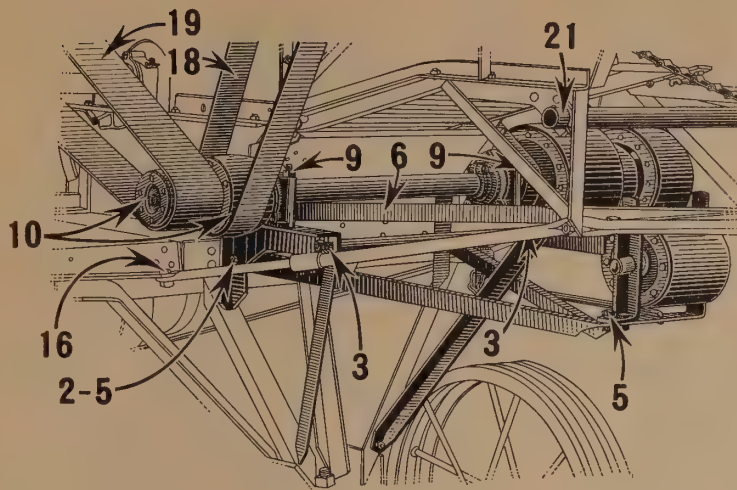


Fig. 20

1. Remove main drive belt idler pulley support by unbolting top bracket and lifting support pipe out of lower bracket; also remove rear telescoping brace rods from feeder. Swing telescoping brace pipes down out of way. Remove concave adjusting lever and rod, move 1/4" turn to the rear and replace.

2. (Fig. 20.) Bolt countershaft support angles and gussets to short separator upright angles. Secure front ends with rod and pipe spacer.

3. (Fig. 20.) Bolt angle braces to front support angles for main frame and to countershaft support angles just ahead of pipe spacer.

4. (Fig. 21.) Bolt main drive belt guide support angle to front end of L. H. support angle for countershaft.

5. (Fig. 20.) Bolt angle braces for main drive belt guide support to countershaft support angles.

6. (Fig. 20.) Bolt diagonal brace for countershaft support angles to front end of L. H. support and to rear end of R. H. support.

7. (Fig. 21.) Bolt bracket for belt guide adjusting screw to front end of L. H. main frame angle and install adjusting screw, as shown.

8. Tighten all bolts securely.

9. (Fig. 20.) Bolt countershaft assembly securely to countershaft support angles. Long end of countershaft goes to the L. H. side.

10. (Fig. 20.) Remove pulleys from R. H. end of cylinder shaft and place on countershaft as they were removed, **being sure they line up with driven pulleys.**

11. (Fig. 22.) Remove pulleys from L. H. end of cylinder shaft; attach driven sprocket (**long end of hub out**) being sure sprocket sets against spacer collar. Secure sprocket with square key and set screws.

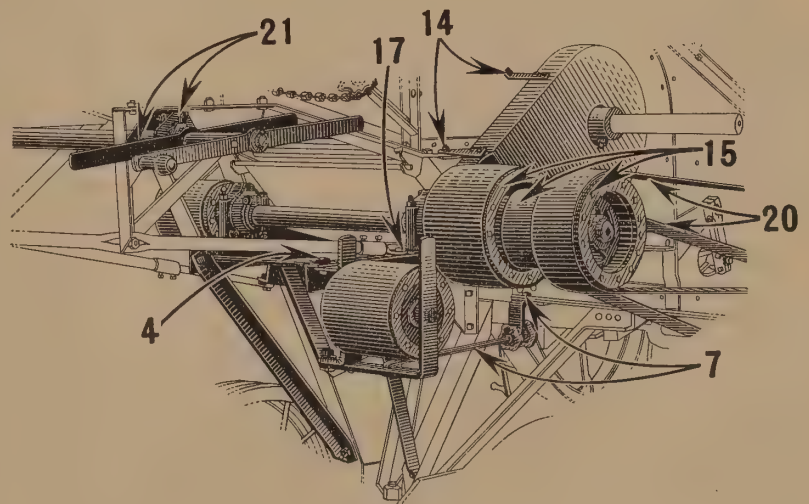


Fig. 21

Note: Use the following sprockets on L. H. end of cylinder shaft for cylinder speed of:

- *1050 R.P.M.—S8910—12 Tooth for Small Grain (Special).
- 600 R.P.M.—S 420—22 Tooth for Soy Beans.
- 394 R.P.M.—S 486—32 Tooth for Radishes.
- 300 R.P.M.—S 421—44 Tooth for Navy Beans and Peas.

12. (Fig. 22.) Line up drive sprocket on countershaft with driven sprocket on cylinder shaft. Attach roller drive chain. Roller chain has detachable links so that it may be used on any of the driven sprockets.

13. (Fig. 22.) Bolt chain tightener bracket to back side of L. H. front separator upright angle.

14. (Fig. 21.) Bolt safety shield for cylinder drive chain to cylinder support angle and side sheet as shown.

15. (Fig. 21.) Secure pulleys to L. H. end of countershaft, being sure they line up with driven pulleys.

16. (Fig. 20.) Bolt R. H. telescoping rod back into position shown.

17. (Fig. 21.) Loosen set screws through L. H. telescope pipe and slide shaft into pipe and bolt shaft to L. H. support for countershaft. Tighten set screws in telescope pipe.

18. (Fig. 20.) Attach new feeder drive belt furnished. **Important Feeder Instructions, 22" thresher only.** Remove the three carriage bolts, with winged nuts, through friction safety drive on feeder and replace with machine bolts and double nuts. **Move springs to inside of slip clutch.** Replace square head set screw through slip clutch hub with allen head set screw. These operations are necessary to allow proper clearance for feeder drive belt.

19. (Fig. 20.) Splice and attach beater, straw walker and grain pan drive belt.

20. (Fig. 21.) Splice and attach belts on L. H. side of machine as shown.

21. (Figs. 20 and 21.) Reel for main drive belt. Attach special pipe for belt reel to corners of angle brackets at front of feeder body. Remove reel and pipe from under main frame, remove reel from old pipe and assemble to new pipe.

***Note:** To operate cylinder at 1050 R.P.M., without removing slow speed attachment, use S8910—12-Tooth sprocket on L. H. end of cylinder shaft. To use this sprocket, it is necessary that S581 clamp collar on cylinder shaft be removed. S8910 sprocket replaces this.

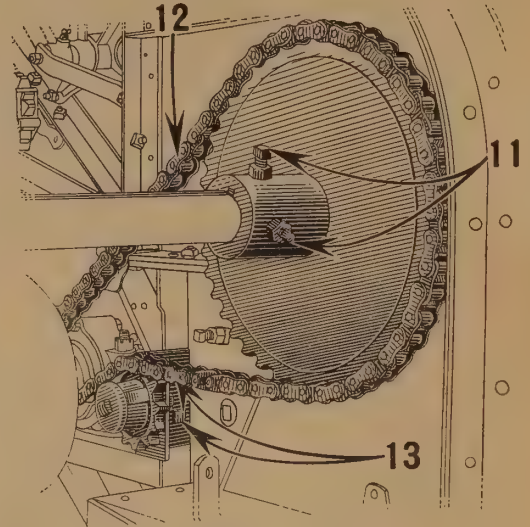


Fig. 22

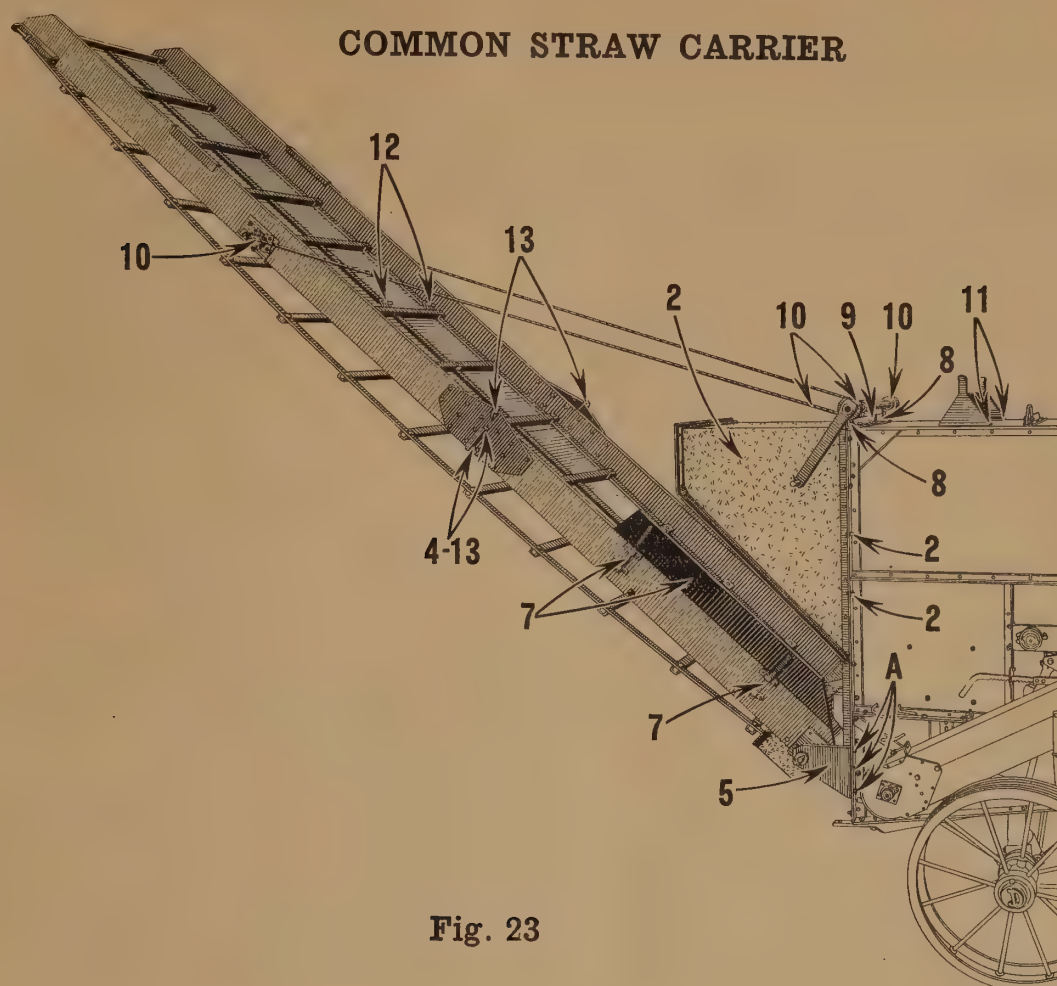


Fig. 23

1. If Thresher is equipped with Wind Stacker—remove it.
2. (Fig. 23.) Cut and punch out the four rivets securing main frame reinforcing plate to bottom end of rear upright angles and ream holes to $15/32''$ both sides. Bolt hood to separator rear deck and upright angles.
3. (Fig. 24.) Bolt chaffer shield extension to rear of shoe.
4. (Fig. 23.) Bolt hinge brackets together at middle of carrier—both sides.
5. (Figs. 23 and 24.) Place carrier on blocking, approximately 26 inches high. With slots in carrier hanger brackets **over** lugs on drive shaft bearing boxes, bolt hanger brackets to separator upright angles with bolts at "A" both sides.
6. (Fig. 24.) Attach carrier drive belt as shown.

COMMON STRAW CARRIER—Continued

7. (Fig. 23.) Attach carrier sideboard extensions.

8. (Fig. 23.) Bolt brackets (3) on carrier raising and lowering shaft to **front** of separator deck cross angle, rear—Crank goes to R. H. side.

9. (Fig. 23.) Bolt bracket with ratchet stop to **top** of separator deck R. H. side and at second bolt from the **rear**, **being sure** stop lines up with ratchet on raising and lowering shaft.

10. (Fig. 23.) Attach raising and lowering cable:—Insert one end of cable through hole in spool at one end of raising and lowering shaft and tie a knot in cable—pass opposite end of cable around pulleys in carrier sides and secure end of cable in opposite spool, with a knot.

11. (Fig. 23.) Remove four rivets (2 on each side) just to **rear** of the fifth cross angle on separator deck and bolt carrier rest for transporting at these holes.

12. (Fig. 23.) Adjust carrier conveyor just tight enough so that it will convey the straw.

13. (Fig. 23.) **To Transport:** Place a prop under carrier at **upper** end of **lower section**. Release tension on cable just enough to insert cable into hooks in carrier hinge brackets, as indicated by the broken lines; then remove bolts in hinge brackets and fold upper end of Carrier onto separator deck. Remove slack in cable.

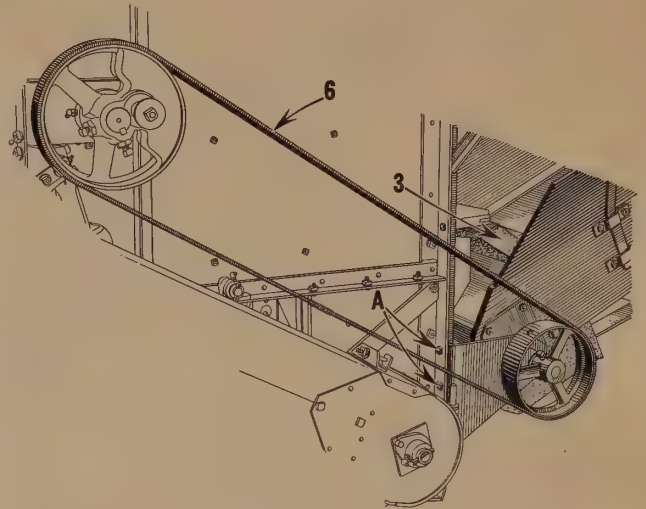


Fig. 24

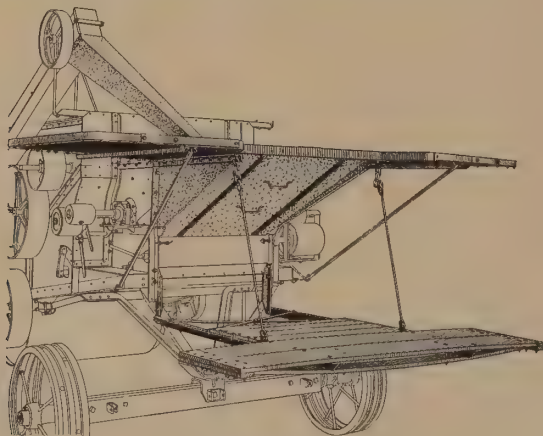


Fig. 25

HAND FEEDER

This view shows Thresher equipped with Hand Feeder.

If Thresher is also equipped with the Slow Speed Attachment, shown on Pages 31 and 32, then special braces are necessary running from counter-shaft support angle to Feeder Table.

Order: 2-S9345.

BRAKE FOR STEEL WHEELS

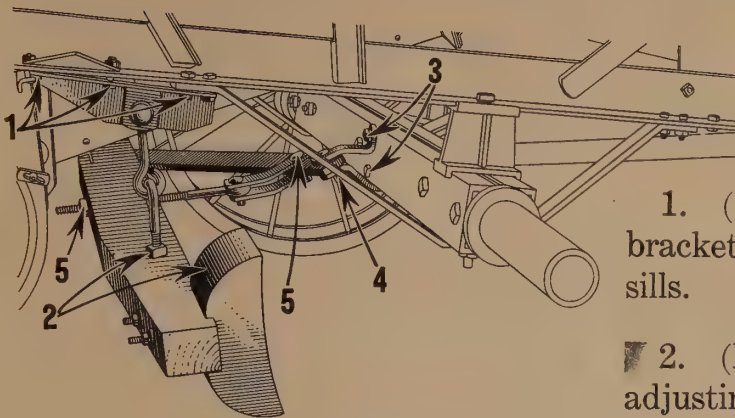


Fig. 26

1. (Figs. 26 and 27.) Bolt brake beam hanger brackets with adjusting rods to separator main sills.

2. (Figs. 26 and 27.) Secure brake beam onto adjusting rods so that brake shoes will set against face and contour of wheels.

3. (Fig. 26.) Bolt pull bar brackets to axle as shown.

4. (Fig. 26.) Secure pull bar to bracket on axle with pin and cotter.

5. (Fig. 26.) Secure beam adjusting rod to beam and to pull bar as shown.

6. (Fig. 27.) Set brake control hand lever into position shown and bolt bracket to separator rear upright angle.

7. (Fig. 27.) Secure lower end of hand lever to R. H. end of pull bar with bolt and trunnion. See "A".

Note: Adjustment is provided at No. 5, Fig. 26 for setting shoes **up to** or **away from** wheels as is necessary. Be sure shoes do not drag on wheels when hand lever is in its **forward position**.

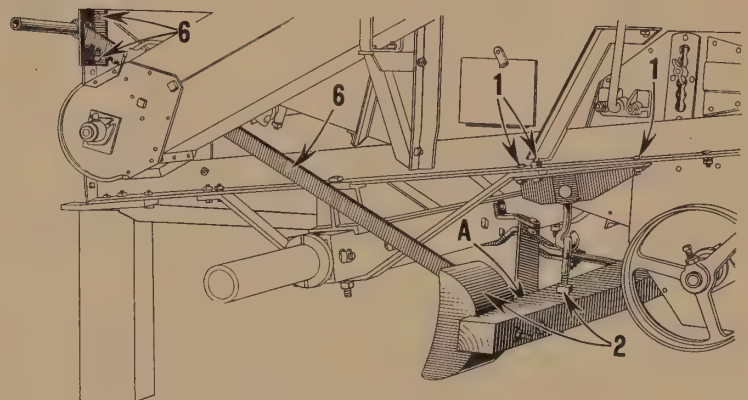


Fig. 27

HOW TO JUDGE WORK OF THRESHER: The grain in the wagon, the material going over the chaffer, the nature and amount of the tailings, and the straw taken from the rear of the straw walkers, indicate the quality of the work that is being done. According to the conditions found, the following service chart will indicate what may be done to correct the condition.

ADJUSTMENTS NEEDED AS INDICATED BY GRAIN IN SACK OR WAGON:

Cracked Grain:

Level Thresher.

Adjust concaves sideways so that cylinder and concave teeth are properly spaced. If necessary, reset cylinder bearings.

Tighten, straighten, or replace loose, bent or worn cylinder and concave teeth.

Remove one or more rows of concave teeth.

Lower Concaves.

Run cylinder at a slightly lower speed.

Open chaffer and sieve as far as good cleaning permits, to reduce tailings.

Lower rear end of chaffer and chaffer extension to reduce tailings.

Reduce wind to reduce tailings.

Feed machine steady to deliver tailings to cylinder with straw.

Straighten bent augers or auger housings.

Poor Cleaning: (Also see "Chaffer Overloads" and "Sieve Overloads", pages 39 and 40.)

Level Thresher.

Be sure shoe and fan drive belts are tight, are not slipping and that shoe and fan are running at rated speeds.

Open blinds at ends of fan as much as possible without blowing over grain or causing excessive returns.

Close chaffer, Tailings Chaffer, and sieve enough to clean grain without excessive returns.

Adjust blinds at ends of fan to compensate for side winds.

Adjust Fan bottom to direct wind to front of shoe so as to float chaff over chaffer.

Lower Rear end of Tailings Chaffer.

Use round hole sieve with smaller openings.

Be sure sieve or chaffer do not sag in middle.

Raise front end of Sieve.

Be sure sieves set in corresponding location on each side.

Remove lodged straws from sieve and chaffer.

Bend down lips of lip sieves at front and sides.

Be sure Grain Pan shields set properly over sides.

Clean cheat screen.

White Caps:

Set concaves higher.

Add one or more rows of concave teeth.

Close lower sieve slightly.

Operate machine at proper speed.

ADJUSTMENTS NEEDED AS INDICATED BY MATERIAL GOING OVER CHAFFER:

Grain Going Over, Not Threshed from Heads:

- Straighten bent cylinder and concave teeth.
- Replace worn, broken, or missing cylinder and concave teeth.
- Adjust concaves so that cylinder and concave teeth are properly spaced. If necessary, reset cylinder bearings.
- Raise concaves.
- Add one or more rows of concave teeth.
- Run cylinder at slightly higher speed.
- Place grates between filled concaves.
- Place straw guards at ends of cylinder if missing.
- Lower feeder pans to reduce volume, retard straw and spread bundles. Adjust feeder to retard grain by setting retarder fingers closer to cylinder.

Too Much Grain Going Over: (Also see "Chaffer Overloads" pages 39 and 40.)

- Feed Evenly.
- Check speed of drive pulley.
- Level thresher.
- If grain is blowing over, close blinds at ends of fan as much as possible.
- If grain is going over in blanket of chaff, open blinds at ends of fan.
- Remove one or more rows of concave teeth.
- Raise front end of sieve.
- Raise Tailings Chaffer and Tailboard.
- Be sure chaffer and sieve do not sag in middle.
- Be sure sieves set in corresponding location on each side.
- Adjust Fan bottom to properly place blast on sieves.

ADJUSTMENTS NEEDED AS INDICATED BY STRAW TAKEN FROM REAR OF STRAW WALKERS:

Grain Not Threshed from Heads: (See above.)

Threshed Grain:

- Be sure cylinder and straw walkers are operating at proper speed and that belts are not slipping.
- Lower feed pans to reduce volume, retard straw, and spread bundles.
- Remove one or more rows of concave teeth.
- See that feeder is cutting bands.
- Replace canvas curtain if it is badly worn, torn, or missing, to keep grain from being thrown back too far.
- Clean grates and straw walkers.
- Replace worn bearings.
- Adjust feeder to retard grain, by setting retarding fingers closer to cylinder.

ADJUSTMENTS NEEDED AS INDICATED BY TAILINGS:

Grain Not Threshed from Heads: (See page 37.)

Threshed Grain:

Level Thresher.

Open adjustable sieve slightly.

Open adjustable chaffer slightly.

Feed evenly.

Operate shoe at proper speed (240 R.P.M.)

Open adjustable chaffer slightly.

Open adjustable tailings chaffer slightly.

Be sure sieves set in corresponding location on each side.

Adjust fan bottom to place wind further forward on shoe.

If grain is blowing over, close blinds at ends of fan as much as possible.

If grain is going over in blanket of chaff, open blinds at ends of fan.

In dry straw, drop concaves slightly.

Remove one or more rows of concave teeth.

Reduce cylinder speed slightly.

Straw and Foreign Material:

Remove one or two rows of concave teeth.

Lower concaves.

Close adjustable chaffer slightly.

Close adjustable Tailings Chaffer.

Close adjustable sieve slightly.

Open blinds at ends of fan as much as possible without blowing over grain.

Raise front end of adjustable sieve.

Reduce cylinder speed slightly.

GENERAL CONDITIONS THAT MAY OCCUR AND HOW TO CORRECT THEM:

Feeder Does Not Start or Stops:

Make sure cylinder is operating at normal speed.

Clean governor and lubricate thoroughly. Make sure it operates freely.

If feeder mechanism is in motion but raddle does not start, tighten raddle slip clutch—see that slats are not catching. Do not tighten too tight.

Loosen Governor Springs slightly.

Feeder Does Not Stop When Cylinder Speed Falls Below Normal:

Clean Governor and lubricate thoroughly. Make sure it operates freely.

Tighten Governor Springs until feeder stops when cylinder speed drops about 50 R.P.M. below normal.

To Increase Volume of Grain Entering Cylinder:

Move feeder retarder fingers away from cylinder.

Raise Feed Pans.

Use smaller driven sprocket for raddle.

To Reduce Volume of Grain Entering Cylinder:

Lower Feed Pans.

Use larger driven sprocket for raddle.

Feed Pans Bounce Up and Down:

Raise feed pans.
Tighten friction shoe on governor shaft inside of feeder and tighten pan relief spring until bouncing stops. (See Feeder Book.)

Cylinder Slugs:

Check cylinder speed.
Set retarding fingers toward cylinder.
Lower feed pans.
Sharpen or replace dull feeder knives if not cutting bands properly.
Use slower speed raddle drive sprocket.
Pitch bundles properly.

Cylinder Does Not Operate Up to Speed:

Be sure engine has sufficient power and is working properly.
Be sure engine governor is operating properly.
Be sure engine clutch is not slipping.
Check sizes of drive and driven pulleys—see page 15 for determining size of pulley.
If drive belt is slipping, use Rockwood Belt-Pull.

Cylinder Wraps with Straw:

Be sure belt driving beater, straw walkers, and Grain Pan and Shoe Crank is not slipping.
Speed up cylinder slightly.
Replace worn cylinder and concave teeth.
In wet, tough grain, set feed pans low and set retarder fingers closer to cylinder.

Clicking at Cylinder:

Straighten bent cylinder and concave teeth.
Adjust concaves so that cylinder and concave teeth are properly spaced.

Grain Pan Clogs:

Lower rear end of thresher.
See that pan drive belt is tight.
See that machine is operating at correct speed.
Clean pan—Smooth rough spots—Never let water stand on pan.
Remove one or more rows of concave teeth.

Chaffer Overloads:

Operate cylinder and shoe at rated speed—Be sure belts are not slipping.
Be sure fan is operating up to speed.
Adjust fan bottom to direct wind to front of shoe so as to float chaff over chaffer.
Open blinds at ends of fan.
Open chaffer slightly.
Remove one or more rows of concave teeth.
If straw is dry, drop concaves slightly.
Place grates back of filled concaves.
Reduce cylinder speed slightly.
Lower rear end of chaffer slightly.
Take up wear in shoe drive pitman bearings.
Remove lodged straw from chaffer.

Sieve Overloads:

Operate shoe at rated speed (240 R.P.M.)
Adjust fan port to place blast toward front of shoe.
Open sieve slightly.
Close chaffer slightly.
In dry straw, lower concaves.
Raise front end of adjustable sieve.
Take up wear in shoe drive pitmans.
Remove lodged straws from sieve.

Clogging at Beater:

See that drive belt is not slipping.
Adjust feeder to feed slower. (See Feeder Book.)

Straw Walkers Choke:

Level threshers.

Be sure cylinder is operating up to speed and that straw walker drive belt is not slipping.

Tighten blower belt if blower is not taking straw away fast enough.

Adjust feeder to feed slower.

Knock in Straw Walker and Grain Pan Bearings:

Take up play in pitman bearings.

Tighten bolts on pitman and grain pan connections.

Be sure walkers are properly assembled on drive cranks.

Wind Stacker Clogs:

See that cylinder is operating at proper speed.

Tighten drive belt if slipping.

Increase blower speed by changing pulleys.

Lower feed pans as much as necessary if threshing too fast for capacity.

Remove material lodged in stacker chute.

In long, tough straw use more concave teeth to cut up straw.

If Tailings Elevator Clogs:

If belt is slipping, use Rockwood Belt-Pull.

Reduce tailings to lowest amount possible.

Threshed Grain in Stack:

Adjust concaves or add one or more rows of concave teeth—if other adjustments and speeds are correct, this grain is threshed from unthreshed heads by wind stacker fan.

Chaff and Dust Around Machine:

See that wind stacker fan is operating up to speed.

Try closing blinds at side of shoe housing slightly.

Separator Speed Is Irregular When Tractor Is Running Steadily:

Tighten drive belts. Use Rockwood Belt-Pull.

Pitch bundles evenly with heads toward the cylinder, and so that there are no open spaces between bundles.

Do not pile bundles in the feeder two or three deep—Speed up raddle by using smaller sprocket if faster threshing is desired.

Belts Slipping But Tight:

Use a light application of Rockwood Belt-Pull.

Belts Run Off the Pulleys:

If pulleys are out of line, loosen and line centers.

Level threshers.

Adjust belt idler pulleys.

Tighten loose belts with tighteners, or cut belts and relace.

Keep belts dry. Moisture causes slippage and perhaps breakage if belts come off.

Tighten hand screw bolt on main drive belt guide.

Remove belts and place in wind stacker housing at night.

Hot Bearings:

Be sure bearings are getting grease.

Be sure bearings are not binding.

Remove bearings and clean thoroughly.

Replace worn bearings.

Lubricate bearings liberally.

Keep oil and grease free from dirt and grit.

Use a good grade of heavy oil in oil can; and a good grade of gun grease in gun.

Loosen belts, but be careful not to loosen too much.

Look for collars or pulleys too tight against bearings.

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Catalog No.	DESCRIPTION	Plate
CYLINDER, CONCAVES AND GRAIN GRATE		
AS1882	Cylinder Bearing Support Angle, R. H., Complete	1
AS1883	Cylinder Bearing Support Angle, L. H., Complete	1
AS1977	Cylinder House Lower Side Angle, R. H., Front	1
AS1978	Cylinder House Lower Side Angle, L. H., Front	1
AS1994	Cylinder End Plate, Complete with Hub (2 used)	1
AS2049	Grate under Cylinder with 5 Bars (2 used) (22-inch only)	1
AS2050	Grate under Cylinder with 5 Bars (2 used) (28-inch only)	1
AS2051	Grate under Cylinder with 8 Bars (22-inch only)	1
AS2052	Grate under Cylinder with 8 Bars (28-inch only)	1
AS2109	Concave, Complete (3 used) (22-inch only)	1
AS2110	Concave, Complete (3 used) (28-inch only)	1
AS2153	Cylinder, Complete, with Shaft (22-inch only)	1
AS2154	Cylinder, Complete, with Shaft (28-inch only)	1
AS2155	Door on Front of Cylinder (22-inch only)	1
AS2156	Door on Front of Cylinder (28-inch only)	1
AS2472	Blank Concaves, Complete (Special) (22-inch only)	1
AS2473	Blank Concaves, Complete (Special) (28-inch only)	1
K350	Turnbuckle for Truss Brace on Top of Cylinder	1
P113	Housing, for Cylinder Shaft Roller Bearing (2 used)	1
P137	Bracket for Concave Side Adjusting Screw, Rear (2 used)	1
P5403	Cylinder Tooth Straightener	1
P15955	Felt Washer in Cylinder Bearing Housing Cap (4 used)	1
P19362	Lock Strap for Cylinder Bearing Housing Bracket Boltheads (2 used)	1
S548	Concave Adjusting Eccentric on Square Shaft (2 used)	1
S549	Concave Adjusting Ratchet	1
S550	Cylinder Tooth	1
S551	Concave Tooth	1
S552	Dog for Concave Adjusting Ratchet	1
S578	Cap, Outer, for Cylinder Shaft Bearing Housing, R. H.	1
S579	Cap, Outer, for Cylinder Shaft Bearing Housing, L. H.	1
S580	Sleeve on Cylinder Shaft for New Departure Bearing (2 used)	1
S581	Clamp Collar on Cylinder Shaft (2 used)	1
S601	Hub for Cylinder Head	1
S634	Concave Circle, R. H.	1
S635	Concave Circle, L. H.	1
S639	Cap, Inner, for Cylinder Shaft Bearing Housing, R. H.	1
S640	Cap, Inner, for Cylinder Shaft Bearing Housing, L. H.	1
S3664	Key for Cylinder Head (2 used)	1
S3961	Cylinder Balance Weight (1-1/2 x 1/16 x 2 inches)	1
S3962	Cylinder Balance Weight (1-1/2 x 1/8 x 2 inches)	1
S3963	Cylinder Balance Weight (1-1/2 x 3/16 x 2 inches)	1
S3964	Cylinder Balance Weight (1-1/2 x 1/4 x 2 inches)	1
S3965	Cylinder Balance Weight (1-1/2 x 5/16 x 2 inches)	1
S3966	Cylinder Balance Weight (1-1/2 x 3/8 x 2 inches)	1
S3967	Cylinder Balance Weight (1-1/2 x 7/16 x 2 inches)	1
S3968	Cylinder Balance Weight (1-1/2 x 1/2 x 2 inches)	1
S4245	Cylinder Center Band	1
S4246	Cylinder Bar, Outer, with End Tooth Hole, 3-3/8 inches from One End of Bar (8 used) (28-inch only)	1
S4247	Cylinder Bar, Outer, with End Tooth Hole, 3-3/8 inches from One End of Bar (8 used) (22-inch only)	1
S4248	Cylinder Bar, Outer, with End Tooth Holes equal distance from Ends of Bar (4 used) (28-inch only)	1
S4249	Cylinder Bar, Outer, with End Tooth Holes equal distance from Ends of Bar (4 used) (22-inch only)	1
S4250	Cylinder Bar, Inner, with End Tooth Hole 2-3/4 inches from One End of Bar (8 used) (28-inch only)	1
S4251	Cylinder Bar, Inner, with End Tooth Hole 2-3/4 inches from One End of Bar (8 used) (22-inch only)	1
S4252	Cylinder Bar, Inner, with End Tooth Hole equal distance from Ends of Bar (4 used) (28-inch only)	1
S4253	Cylinder Bar, Inner, with End Tooth Hole equal distance from Ends of Bar (4 used) (22-inch only)	1
S4254	Spacer on Cylinder Tooth between Bars (Round)	1
S4255	Spacer on Cylinder Tooth between Bars (Half Round)	1
S4650	Trunnion for Concave Ratchet Dog (2 used)	1
S4993	Lock Washer for Cylinder Tooth	1
S5991	Nut for Cylinder and Concave Tooth	1
S6613	Cylinder Head (2 used)	1
S7129	Spacer Pipe in Rear End of Concave Circles (2 used)	1

Catalog No.	DESCRIPTION	Plate
CYLINDER, CONCAVES AND GRAIN GRATE—Continued		
S8380	Cylinder Shaft (22-inch only).....	1
S8381	Cylinder Shaft (28-inch only).....	1
S8382	Stiffener for Rear End of Cylinder House Top Angle (2 used).....	1
S8383	Concave Plate (3 used) (22-inch only).....	1
S8384	Concave Plate (3 used) (28-inch only).....	1
S8529	Concave Adjusting Shaft (Square) (22-inch only).....	1
S8530	Concave Adjusting Shaft (Square) (28-inch only).....	1
S8534	Cylinder Housing Front Angle, R. H.....	1
S8535	Cylinder Housing Front Angle, L. H.....	1
S8536	Cylinder House Top Angle, R. H.....	1
S8537	Cylinder House Top Angle, L. H.....	1
S8538	Cylinder House Middle Side Angle, R. H.....	1
S8539	Cylinder House Middle Side Angle, L. H.....	1
S8542	Cylinder House Lower Side Angle, Rear (2 used).....	1
S8543	Cylinder House Side Sheet, Upper, R. H.....	1
S8544	Cylinder House Side Sheet, Upper, L. H.....	1
S8545	Cylinder House Side Sheet, Middle, R. H.....	1
S8546	Cylinder House Side Sheet, Middle, L. H.....	1
S8547	Stiffener for Plate in Cylinder House at Rear Side of Tailings Spout (22-inch only).....	1
S8548	Stiffener for Plate in Cylinder House at Rear Side of Tailings Spout (28-inch only).....	1
S8549	Plate on Cylinder House Top at Rear of Feeder Door (22-inch only).....	1
S8550	Plate on Cylinder House Top at Rear of Feeder Door (28-inch only).....	1
S8551	Truss Cross Brace, Front, for Top of Cylinder House (2 used) (22-inch only).....	1
S8552	Truss Cross Brace, Front, for Top of Cylinder House (2 used) (28-inch only).....	1
S8553	Truss Cross Brace, Rear, for Top of Cylinder House (2 used).....	1
S8555	Plate in Cylinder House at Rear Side of Tailings Spout (22-inch only).....	1
S8556	Plate in Cylinder House at Rear Side of Tailings Spout (28-inch only).....	1
S8628	Retaining Clip for Rear End of Cylinder Housing Side Sheet, Middle (2 used).....	1
S8706	End Plate, R. H., for Door on Front of Cylinder.....	1
S8707	End Plate, L. H., for Door on Front of Cylinder.....	1
S8708	Angle Bracket, R. H., on Cylinder Front Door Side Plate for Hart Feeder Shake Pan Shoe.....	1
S8709	Angle Bracket, L. H., on Cylinder Front Door Side Plate for Hart Feeder Shake Pan Shoe.....	1
S8710	Hook, R. H., for Door on Front of Cylinder.....	1
S8711	Hook, L. H., for Door on Front of Cylinder.....	1
S9050	Wood Concave, 5-inch Wide (Special) (22-inch only).....	1
S9051	Wood Concave, 5-inch Wide (Special) (28-inch only).....	1
S9052	Wood Concave, 4-inch Wide (Special) (22-inch only).....	1
S9053	Wood Concave, 4-inch Wide (Special) (28-inch only).....	1
S9509	Shield at R. H. End of Cylinder.....	1
S9510	Shield at L. H. End of Cylinder.....	1
S9511	Guard Rods under Concaves (2 used).....	1
S9517	Cylinder and Concave Tooth Wrench.....	1
S9562	Bolt for Cylinder Bearing Housing (4 used).....	1
S9679	Cylinder House Side Sheet, Lower, L. H. (22-inch only).....	1
S9680	Cylinder House Side Sheet, Lower, R. H. (22-inch only).....	1
S9681	Cylinder House Side Sheet, Lower, L. H. (28-inch only).....	1
S9682	Cylinder House Side Sheet, Lower, R. H. (28-inch only).....	1
SEPARATING CYLINDER AND GRAIN GRATE		
AS1595	Separating Cylinder Shaft, Complete (22-inch only).....	2
AS1596	Separating Cylinder Shaft, Complete (28-inch only).....	2
AS1887	Grate Bar, Rear, with Fingers (28-inch only).....	2
AS1942	Grate Bar, Rear, with Fingers (22-inch only).....	2
AS2121	Tooth Bar with Teeth 6-3/4 inches from Ends of Bar (28-inch only).....	1
AS2122	Tooth Bar with Teeth 5-9/16 inches from Ends of Bar (28-inch only).....	1
AS2123	Tooth Bar with Teeth 4-3/8 inches from Ends of Bar (28-inch only).....	1
AS2124	Tooth Bar with Teeth 3-3/16 inches from Ends of Bar (28-inch only).....	1
AS2125	Tooth Bar with Teeth 2 inches from Ends of Bar (28-inch only).....	1
AS2126	Tooth Bar with Teeth, 7-13/16 inches from Ends of Bar (28-inch only).....	1
AS2128	Separating Cylinder, Complete, less Shaft (28-inch only).....	1
AS2184	Bracket for Roller Bearing Box on Separating Cylinder Shaft (2 used).....	2
AS2223	Tooth Bar with Teeth 3-3/4 inches from Ends of Bar (22-inch only).....	1

Catalog No.	DESCRIPTION	Plate
SEPARATING CYLINDER AND GRAIN GRATE—Continued		
AS2224	Tooth Bar with Teeth 2-3/4 inches from Ends of Bar (22-inch only)	
AS2225	Tooth Bar with Teeth 1-3/4 inches from Ends of Bar (22-inch only)	
AS2226	Tooth Bar with Teeth 6-3/4 inches from Ends of Bar (22-inch only)	
AS2227	Tooth Bar with Teeth 5-3/4 inches from Ends of Bar (22-inch only)	
AS2228	Tooth Bar with Teeth 4-3/4 inches from Ends of Bar (22-inch only)	
AS2230	Separating Cylinder, Complete, less Shaft (22-inch only)	
P12208	Lug Washer for Roller Bearing Box on Separating Cylinder Shaft (2 used)	2
P12210	Notched Washer for Roller Bearing Box on Separating Cylinder Shaft (2 used)	2
P22864	Spacer for Grate Bars (4 used)	
S582	Head for Separating Cylinder (2 used)	2
S590	Roller Bearing Box for Separating Cylinder Shaft (2 used)	2
S3980	Clip for Shield on Separator Side at End of Separating Cylinder	2
S6074	Shield on Separator Sides at End of Separating Cylinder (2 used)	
S8016	Tooth for Separating Cylinder (32 used on 22-inch) (36 used on 28-inch)	2
S8031	Grate Bar (length, 21-1/4 inches) (2 used) (22-inch only)	2
S8032	Grate Bar (length, 25-1/4 inches) (5 used) (22-inch only)	2
S8033	Grate Bar (length, 35 inches) (2 used) (22-inch only)	2
S8037	Grate Bar (length, 27-1/2 inches) (2 used) (28-inch only)	2
S8038	Grate Bar (length, 31-7/8 inches) (5 used) (28-inch only)	2
S8039	Grate Bar (length, 45 inches) (2 used) (28-inch only)	2
S8270	Grate Bolt (3 used)	2
S8348	Separating Cylinder Drum (22-inch only)	
S8355	Separating Cylinder Drum (28-inch only)	
S8375	Grate Bar, Front (22-inch only)	2
S8376	Grate Bar, Front (28-inch only)	2
S8377	Grate Bar (length, 23-1/2 inches) (2 used) (22-inch only)	2
S8378	Grate Bar (length, 29-7/8 inches) (2 used) (28-inch only)	2
S9310	Clip for Oil Pipe in Box on R. H. End of Separating Cylinder Shaft	2
S9311	Long Oil Pipe for Box on R. H. End of Separating Cylinder Shaft	2
STRAW WALKERS		
AS2065	Front Step, Complete (Special for Alfalfa) (22-inch only)	
AS2066	Front Step, Complete (Special for Alfalfa) (28-inch only)	
AS2073	Rear Step, Complete (Special for Alfalfa) (22-inch only)	
AS2074	Rear Step, Complete (Special for Alfalfa) (28-inch only)	
AS2131	Canvas Curtain, Rear, over Straw Walker (28-inch only)	
AS2132	Canvas Curtain, Rear, over Straw Walker (22-inch only)	
AS2133	Canvas Curtain, Front, over Straw Walker (22-inch only)	
AS2134	Canvas Curtain, Front, over Straw Walker (28-inch only)	
AS2185	Bracket for Straw Walker Crank Roller Bearing Box (4 used)	3
AS2575	Second Step, Complete (4 used) (22-inch only)	
AS2576	Second Step, Complete (4 used) (28-inch only)	
AS2577	Third and Fourth Step, Complete (8 used) (22-inch only)	
AS2578	Third and Fourth Step, Complete (8 used) (28-inch only)	
AS2579	Rear Step, Complete (4 used) (22-inch only)	
AS2580	Rear Step, Complete (4 used) (28-inch only)	
AS2582	Front Step, Complete (4 used) (28-inch only)	
AS2583	Front Step, Complete (4 used) (22-inch only)	
AS2586	Straw Walker, Complete (1/2-inch Round Hole) (Special for Alfalfa) (22-inch only)	
AS2587	Straw Walker, Complete (1/2-inch Round Hole) (Special for Alfalfa) (28-inch only)	
AS2615	Straw Walker, Complete (22-inch only)	
AS2619	Straw Walker, Complete (28-inch only)	
P3444	Hanger for Oil Pipe in R. H. Front Straw Walker Crank Roller Bearing Box	3
P3447	Shim for Crankshaft Wood Bearing Blocks (28-inch only)	3
P23053	Oil Pipe, Front, for Straw Walker Bearings (4 used)	
S511	Crankshaft Roller Bearing Box (4 used)	3
S512	Collar on L. H. End of Front Straw Walker Crank and R. H. End of Rear Crank (2 used)	3
S595	Oil Pipe Bracket, Rear (4 used)	3
S648	Oil Pipe Bracket, Front (4 used)	
S7165	Lug Washer on Straw Walker Crank Roller Bearing Box (4 used)	3
S7166	Slotted Washer on Straw Walker Crank Roller Bearing Box (4 used)	3

Catalog No.	DESCRIPTION	Plate
STRAW WALKERS—Continued		
S7325	Rod for Canvas Curtain, Rear, over Straw Walkers (22-inch only)	3
S7326	Rod for Canvas Curtain, Rear, over Straw Walkers (28-inch only)	3
S7557	Bottom and Top Plate for Straw Walker Front Bearing Blocks and Top and Bottom Plate for Rear Bearing Block (16 used) (22-inch only)	3
S7558	Bottom and Top Plate for Straw Walker Front Bearing Blocks and Top and Bottom Plate for Rear Bearing Block (16 used) (28-inch only)	3
S7563	Crankshaft Wood Bearing, without Oil Hole (8 used) (22-inch only)	3
S7564	Crankshaft Wood Bearing, without Oil Hole (8 used) (28-inch only)	3
S7567	Shim for Crankshaft Wood Bearing Blocks (22-inch only)	3
S7569	Lock Strap for Bolts in Wood Bearing Blocks (16 used)	3
S8322	Straw Walker Crankshaft (2 used) (28-inch only)	3
S8323	Straw Walker Crankshaft (2 used) (22-inch only)	3
S8458	Rod for Canvas Curtain, Front, over Straw Walkers (22-inch only)	3
S8459	Rod for Canvas Curtain, Front, over Straw Walkers (28-inch only)	3
S8471	Crankshaft Wood Bearing (with Oil Hole) (8 used) (22-inch only)	3
S8472	Crankshaft Wood Bearing (with Oil Hole) (8 used) (28-inch only)	3
S8531	Shield on Separator Side over Straw Walker Crank (4 used)	3
S8623	Bracket on Straw Walkers for Rear Bearing Blocks (4 used) (22-inch only)	3
S8624	Bracket on Straw Walkers for Rear Bearing Blocks (4 used) (28-inch only)	3
S8800	Front Step, Rear End (4 used) (Special for Alfalfa) (22-inch only)	
S8801	Front Step, Rear End (4 used) (Special for Alfalfa) (28-inch only)	
S8835	Side Sill, R. H. (Special for Alfalfa) (4 used)	
S8836	Side Sill, L. H. (Special for Alfalfa) (4 used)	
S9313	Oil Pipe for R. H., Front, Straw Walker Crank Roller Bearing Box	3
S9513	Oil Pipe Clamp, Front, for Straw Walker Bearings (4 used)	
S9665	Support Bracket for Front, 2nd, 3rd and 4th Step (32 used)	
S9666	Cross Spacer between Sills (12 used) (28-inch only)	
S9667	Support Bracket for 5th Step (8 used)	
S9684	Stiffener, L. H., on Sill for Rear Bearing Block Bracket (4 used)	
S9685	Stiffener, R. H., on Sill for Rear Bearing Block Bracket (4 used)	
S9686	Stiffener on Sill for Front Bearing Block Bracket (8 used)	
S9687	Grain Pan, Rear, under Straw Walkers (4 used) (28-inch only)	
S9688	Grain Pan, Rear, under Straw Walkers (4 used) (22-inch only)	
S9689	Grain Pan, Middle, under Straw Walkers (4 used) (28-inch only)	
S9690	Grain Pan, Middle, under Straw Walkers (4 used) (22-inch only)	
S9691	Grain Pan, Front, under Straw Walkers (4 used) (28-inch only)	
S9694	Bracket on Straw Walkers for Front Bearing Blocks (4 used) (28-inch only)	
S9697	Side Sill, R. H. (4 used)	
S9698	Side Sill, L. H. (4 used)	
S9720	Bracket on Straw Walkers for Front Bearing Blocks (4 used) (22-inch only)	
S9725	Front Step, Rear End (4 used) (28-inch only)	
S9726	Front Step, Rear End (4 used) (22-inch only)	
S9727	Cross Spacer between Sill (12 used) (22-inch only)	
S9728	Grain Pan, Front, under Straw Walkers (4 used) (22-inch only)	
GRAIN PAN		
AS1238	Pin, Rear Hanger Arm to Bracket on Upright Angle (2 used)	4
AS1957	Canvas Seal for Front End of Grain Pan (22-inch only)	4
AS1958	Canvas Seal for Front End of Grain Pan (28-inch only)	4
AS1972	Box with Bushing for Shoe and Pan Crankshaft (2 used) (S584, Complete)	4
AS1992	Brackets on Grain Pan Sides for Wood Hanger Arms (4 used)	4
AS2190	Grain Pan Pitman, Complete (2 used)	4
AS2292	Grain Pan Pitman (Wood only) (2 used)	4
AS2571	Bracket, L. H., on Separator Front Upright Angle for Wood Hanger Arms	
AS2572	Bracket, R. H., on Separator Front Upright Angle for Wood Hanger Arms	
H5051	Washer on Stud for Wood Hanger Arm Bracket on Separator Main Sill (2 used)	4
P1867	Grain Pan Hanger Arm	
S321	Cap for Shoe and Grain Pan Crankshaft Box Bracket on Main Sill (2 used)	4
S583	Bracket on Separator Main Sill for Shoe and Grain Pan Crankshaft Box	4
S584	Box for Shoe and Pan Crankshaft (2 used) (Order AS1972)	4
S585	Bronze Bushing for Shoe and Grain Pan Crankshaft Box (2 used)	4
S596	Bracket for Zerk Oiler on Rear End of Grain Pan Pitman and Front End of Shoe Pitman (4 used)	4

Catalog No.	DESCRIPTION	Plate
GRAIN PAN—Continued		
S597	Balance Wheel on L. H. End of Shoe and Grain Pan Crankshaft.....	4
S612	Balance Weight for Shoe and Grain Pan Balance Wheel on Crankshaft.....	4
S633	Bracket on Grain Pan Bottom for Pitman Shaft (2 used).....	4
S7603	Shim for Wood Bearing Blocks on Grain Pan Pitman.....	4
S7941	Stiffener on Grain Pan Side for Rear Wood Hanger Arm Bracket (2 used).....	4
S7949	Pitman Shaft on Grain Pan (Pipe) (22-inch only).....	4
S7950	Pitman Shaft on Grain Pan (Pipe) (28-inch only).....	4
S7965	Bracket (Front on Grain Pan Pitman) (Rear on Shoe Pitman) for Wood Bearing Blocks (4 used)...	4
S7966	Bracket on Rear End of Grain Pan Pitman for Wood Bearing Blocks (2 used).....	4
S8276	Bracket on Separator Upright Angle for Wood Hanger Arms, Rear (2 used).....	4
S8277	Grain Pan Sill (2 used).....	4
S8278	Grain Pan Bottom (28-inch only).....	4
S8279	Divider Strip, R. H., on Pan Bottom.....	4
S8280	Crosstie Front on Bottom of Pan (28-inch only).....	4
S8282	Divider Strip, L. H., on Pan Bottom.....	4
S8286	Shield, R. H., Rear, on Separator Side over Grain Pan Side.....	4
S8293	Shoe and Grain Pan Pitman Wood Bearing Block (with Oil Hole) (4 used).....	4
S8294	Shoe and Grain Pan Pitman Wood Bearing Block (without Oil Hole) (4 used).....	4
S8340	Crankshaft for Grain Pan and Shoe (22-inch only).....	4
S8341	Crankshaft for Grain Pan and Shoe (28-inch only).....	4
S8450	Shield, Front, on Separator Side over Grain Pan Side (2 used).....	4
S8451	Shield, L. H., Rear, on Separator Side over Grain Pan Side.....	4
S8460	Plate on Grain Pan Bottom for Pitman Shaft Bracket Bolts (2 used).....	4
S8462	Board on Bottom of Pan (22-inch only).....	4
S8463	Board on Bottom of Pan (28-inch only).....	4
S8464	Crosstie, Front, on Bottom of Pan (22-inch only).....	4
S8465	Crosstie, Rear, on Bottom of Pan (22-inch only).....	4
S8466	Crosstie, Rear, on Bottom of Pan (28-inch only).....	4
S8467	Grain Pan Bottom (22-inch only).....	4
S8691	Shield on Front Cross Sill over Grain Pan (22-inch only).....	4
S8692	Shield on Front Cross Sill over Grain Pan (28-inch only).....	4
S8986	Grain Pan, Front, Crosspiece (22-inch only).....	4
S8987	Grain Pan, Front, Crosspiece (28-inch only).....	4
S9579	Grain Pan, Rear, Crosspiece and Rest for Chaffer (22-inch only).....	4
S9580	Grain Pan, Rear, Crosspiece and Rest for Chaffer (28-inch only).....	4
S9644	Filler behind Bracket on Rear End of Grain Pan Pitman for Wood Bearing Blocks (to Lengthen Pitman).....	4
SHOE		
AS1956	Bracket, Rear, on Separator Frame Angle for Shoe Hanger Arm (2 used).....	5
AS1959	Shield with Canvas on Separator Side over Shoe Side (2 used).....	5
AS1962	Stiffener Angle for Sides and Bottom of Shoe (22-inch only).....	5
AS1963	Stiffener Angle for Sides and Bottom of Shoe (28-inch only).....	5
AS1972	Box with Bushing for Shoe and Pan Crankshaft (2 used) (S584 Complete).....	5
AS2146	Shoe, Complete (22-inch only).....	5
AS2149	Shoe, Complete (28-inch only).....	5
AS2192	Shoe Pitman, Complete (2 used).....	5
AS2193	Shoe Pitman (Wood only) (2 used).....	5
P13171	Clip for Door on Shoe Side Plate (2 used).....	5
S321	Cap for Shoe and Grain Pan Crankshaft Box Bracket on Main Sill (2 used).....	5
S482	Bracket Front on Shoe Side Plate for Hanger Arm (2 used).....	5
S573	Bracket Front on Separator Main Sill for Shoe Hanger Arm (2 used).....	5
S583	Bracket on Separator Main Sill for Shoe and Grain Pan Crankshaft Box (2 used).....	5
S584	Box for Shoe and Pan Crankshaft (2 used) (Order AS1972).....	5
S585	Bronze Bushing for Shoe and Grain Pan Crankshaft Box (2 used).....	5
S591	Bracket on Bottom of Shoe for Rear Hanger Arm (2 used).....	5
S592	Shoe Hanger Arm, Rear (2 used).....	5
S596	Bracket for Zerk Oiler on Rear End of Grain Pan Pitman and Front End of Shoe Pitman (4 used).....	5
S597	Balance Wheel on L. H. End of Shoe and Grain Pan Crankshaft.....	5

Catalog No.	DESCRIPTION	Plate
SHOE—Continued		
S612	Balance Weight for Shoe and Grain Pan Balance Wheel.....	5
S7584	Door on Shoe Side Plate (2 used).....	5
S7603	Shim for Wood Bearing Blocks on Front End of Shoe Pitman.....	5
S7965	Bracket (Front on Grain Pan Pitman) (Rear on Shoe Pitman) for Wood Bearing Blocks (4 used)...	5
S7968	Plate on Shoe Pitman for Wood Bearing Block, Upper R. H. and Lower L. H. (2 used).....	5
S7969	Plate on Shoe Pitman for Wood Bearing Block, Upper L. H. and Lower R. H. (2 used).....	5
S7974	Notched Plate, Rear, on Shoe Side Plate for Sieve Adjusting Bolts (2 used).....	5
S7977	Bracket on Side of Shoe for Pitman.....	5
S8293	Shoe and Grain Pan Pitman Wood Bearing Block (with Oil Hole) (4 used).....	5
S8294	Shoe and Grain Pan Pitman Wood Bearing Block (without Oil Hole) (4 used).....	5
S8340	Crankshaft for Grain Pan and Shoe (22-inch only).....	5
S8341	Crankshaft for Grain Pan and Shoe (28-inch only).....	5
S8473	Shoe Hanger Arm, Front (2 used).....	5
S8483	Stiffener Angle on Lower Side of Shoe Side Plate, R. H.....	5
S8484	Stiffener Angle on Lower Side of Shoe Side Plate, L. H.....	5
S8487	Cross Pipe on Shoe for Rear Hanger Arms (22-inch only).....	5
S8488	Cross Pipe on Shoe for Rear Hanger Arms (28-inch only).....	5
S8489	Sieve Guide on Inside of Shoe Side Plate, R. H.....	5
S8490	Sieve Guide on Inside of Shoe Side Plate, L. H.....	5
S8491	Cross Angle, Front, on Bottom of Shoe (22-inch only).....	5
S8492	Cross Angle, Front, on Bottom of Shoe (28-inch only).....	5
S8493	Cross Angle, Rear, on Bottom of Shoe (22-inch only).....	5
S8494	Cross Angle, Rear, on Bottom of Shoe (28-inch only).....	5
S8495	Notching Plate Front on Shoe Side Plate for Sieve Adjusting Bolts (2 used).....	5
S8496	Stiffener, Front, on Shoe Side Plate, R. H.....	5
S8497	Stiffener, Front on Shoe Side Plate, L. H.....	5
S8498	Stiffener, Rear, on Shoe Side Plate (2 used).....	5
S8499	Shoe Bottom Plate, Front (22-inch only).....	5
S8500	Shoe Bottom Plate, Front (28-inch only).....	5
S8501	Shoe Bottom Plate, Rear (22-inch only).....	5
S8502	Shoe Bottom Plate, Rear (28-inch only).....	5
S8505	Shoe Side Plate, R. H.....	5
S8506	Shoe Side Plate, L. H.....	5
FAN		
AS1968	Fan Hub with Arms (3 used).....	6
AS1988	Adjusting Rod with Arms on Separator for Fan Housing Side Shutters (22-inch only).....	6
AS1989	Adjusting Rod with Arms on Separator for Fan Housing Side Shutters (28-inch only).....	6
AS2114	Hand Lever for Fan Housing Side Shutters.....	6
AS2194	Bracket for Fan Shaft Roller Bearing Box (2 used).....	6
AS2290	Fan Housing, Complete (22-inch only).....	
AS2291	Fan Housing, Complete (28-inch only).....	
AS2327	Canvas Seal between Fan and Grain Pan (22-inch only).....	
AS2328	Canvas Seal between Fan and Grain Pan (28-inch only).....	
AS2427	Fan Shaft, Complete (22-inch only).....	
AS2429	Fan Shaft, Complete (28-inch only).....	
H1748	Spring for Fan Housing.....	6
HZ6185	Spring on L. H. End of Lever for Door on Bottom of Fan Housing (3/4 x 3-3/4 inches—14 Coils)...	6
P204	Wing Nut for Adjusting Side Shutter on Fan.....	
P6235	Lever Ratchet for Door on Bottom of Fan Housing.....	6
P12208	Lug Washer on Fan Shaft Roller Bearing Box (2 used).....	6
P12210	Notched Washer on Fan Shaft Roller Bearing Box (2 used).....	6
S590	Fan Shaft Roller Bearing Box (2 used).....	6
S5571	Bell Washer on Bolts for Side Shutter on Housing End (5 used).....	6
S7175	Support Angle for Front of Fan Housing (on Separator Main Sills) (22-inch only).....	6
S7176	Support Angle for Front of Fan Housing (on Separator Main Sills) (28-inch only).....	6
S7984	Hinge on Bottom of Fan Housing (22-inch only).....	6
S7985	Hinge on Bottom of Fan Housing (28-inch only).....	6
S7988	Bracket for Wind Door Hinge Rod on Bottom of Fan Housing (2 used).....	6
S7989	Hinge Rod for Wind Door on Bottom of Fan Housing (22-inch only).....	6
S7990	Hinge Rod for Wind Door on Bottom of Fan Housing (28-inch only).....	6
S7991	Bracket for Lever on Fan Housing Wind Door (2 used).....	6

Catalog No.	DESCRIPTION	Plate
FAN—Continued		
S7992	Lever for Wind Door on Bottom of Fan Housing (22-inch only).....	6
S7993	Lever for Wind Door on Bottom of Fan Housing (28-inch only).....	6
S7994	Side Shutter for Fan, Front on R. H. Side and Rear on L. H. Side (2 used).....	6
S7995	Side Shutter for Fan, Front on L. H. Side and Rear on R. H. Side (2 used).....	6
S7996	Clamp Angle on Fan Housing for Canvas Seal (22-inch only).....	6
S7997	Clamp Angle on Fan Housing for Canvas Seal (28-inch only).....	6
S8296	Bracket for Fan, Front Support Angle on Separator (2 used).....	6
S8429	Wind Door on Bottom of Fan Housing (22-inch only).....	6
S8430	Wind Door on Bottom of Fan Housing (28-inch only).....	6
S8509	Fan Blade (6 used) (22-inch only).....	6
S8510	Fan Blade (6 used) (28-inch only).....	6
S8511	Brace for Fan Blade (18 used).....	6
S8633	Strap on Fan Housing Side Shutter for Lever Arm (2 used).....	6
S8634	Bracket on Separator Sill for Adjusting Rod with Arms for Fan Side Shutters (2 used).....	6
S8644	Bracket on Separator Upright Angle for Fan Side Shutter Hand Lever.....	6
S9417	Windboard (Wood) (Special) (22-inch only).....	
S9418	Windboard (Wood) (Special) (28-inch only).....	
S9419	Lever for Windboard at Rear of Fan (Special).....	
S9420	Hinge for Windboard at Rear of Fan (Special).....	
S9421	Lever Ratchet for Fan Windboard (Special).....	
TAILINGS ELEVATOR AND TAILINGS AUGER		
No. 55	Steel Chain Link.....	7
55SD	Attachment Link for Conveyor Chain Paddle.....	7
AS1655	Tailings Auger Shaft, Complete, with Spiral (22-inch only).....	7
AS1656	Tailings Auger Shaft, Complete, with Spiral (28-inch only).....	7
AS1949	Tailings Auger Housing, Complete, with End Supports (22-inch only).....	
AS1950	Tailings Auger Housing, Complete, with End Supports (28-inch only).....	
AS1984	Head Plate Outside on Lower End of Elevator.....	7
AS1985	Tailings Elevator Conveyor Chain, Complete.....	
AS2106	Spout from Tailings Elevator to Cylinder (28-inch only).....	7
AS2107	Spout from Tailings Elevator to Cylinder (22-inch only).....	7
AS2130	Box with Bushing for Conveyor Chain Drive Shaft in Upper End of Elevator (2 used) (S515, Complete).....	7
P612	Durex Bearing in Boxes on Conveyor Chain Drive Shaft (2 used).....	7
P1416	Box for Tailings and Clean Grain Auger Shaft (3 used).....	7
P3768	Tailings Elevator Conveyor Chain Paddle with Link (40 used).....	7
P10528	Clip on Spout for Hand Hole Cover.....	7
P12845	Hand Hole Cover for Tailings Elevator Spout.....	7
P14169	Angle Bracket for Lock Bolt on Lower End of Elevator.....	7
P14601	Hinge Pin for Door on Lower End of Elevator.....	7
S515	Box for Conveyor Chain Drive Shaft in Upper End of Elevator (2 used) (Order AS2130).....	7
S517	Collar on L. H. End of Drive Shaft in Upper End of Elevator.....	7
S611	Conveyor Chain Idler Sprocket in Lower End of Elevator (7 Teeth).....	7
S647	Conveyor Chain Drive Sprocket in Upper End of Elevator (7 Teeth).....	
S4928	Yoke for Upper End of Elevator.....	7
S7163	Lug Washer for Box on Drive Shaft at Upper End of Elevator.....	7
S7206	Guide for Conveyor Chain Adjusting Brackets on Upper End of Elevator (4 used).....	7
S7207	Conveyor Chain Drive Shaft in Upper End of Elevator.....	7
S7208	End Plate for Upper End of Elevator.....	7
S7421	Yoke for Lower End of Elevator.....	7
S8002	Stiffener Angle for Front Side of Tailings Auger Housing (22-inch only).....	7
S8003	Stiffener Angle for Front Side of Tailings Auger Housing (28-inch only).....	7
S8413	Extension for Rear Side of Tailings Auger Housing (22-inch only).....	7
S8414	Extension for Rear Side of Tailings Auger Housing (28-inch only).....	7
S8415	Adjusting Plate on Tailings Auger Rear Extension (22-inch only).....	7
S8416	Adjusting Plate on Tailings Auger Rear Extension (28-inch only).....	7
S8417	End, L. H., for Extension on Rear Side of Tailings Auger Housing.....	7
S8418	End, R. H., for Extension on Rear Side of Tailings Auger Housing.....	7
S8419	Tailings Auger Housing Corner Clip, R. H., Front.....	7
S8420	Tailings Auger Housing Corner Clip, L. H., Front.....	7
S8570	Elevator Housing, Bottom Half.....	

Catalog No.	DESCRIPTION	Plate
TAILINGS ELEVATOR AND TAILINGS AUGER—Continued		
S8571	Elevator Center Board.....	7
S8572	Crosstie for Conveyor Chain Adjusting Bolts at Upper End of Elevator.....	7
S8574	Brace from Upper End of Tailings Elevator to Top of Separator.....	7
S8578	Head Plate, Inside, on Lower End of Elevator.....	7
S8579	Clean-Out Door on Lower End of Elevator.....	7
S8580	Plate on Lower End of Elevator Housing Top.....	7
S8581	Hinge Rod Plate for Door on Lower End of Elevator.....	7
S8598	Connection Collar between Tailings Elevator and Tailings Auger.....	7
S8603	Step on Top of Tailings Elevator (3 used).....	7
S8620	Support Angle for Yoke at Lower End of Elevator.....	7
S8621	Brace Angle for Support Yoke at Lower End of Elevator.....	7
S8622	Bracket for Lock Bolt on Door at Lower End of Elevator.....	7
S9505	Stiffener for Upper End of Elevator (2 used).....	7
S9652	Adjusting Plate, R. H., for Elevator Conveyor Chain.....	7
S9653	Adjusting Plate, L. H., for Elevator Conveyor Chain.....	7
S9654	Elevator Housing, Top Half.....	7
EXTRA TAILINGS ELEVATOR (FOR L. H. SIDE OF THRESHER)		
55	Steel Chain Link.....	8
55SD	Attachment Link for Conveyor Chain Paddle.....	8
AS1985	Tailings Elevator Conveyor Chain, Complete.....	8
AS2047	Tailings Elevator Drive Belt (2-1/2 inches x 4 Ply x 102-1/2 inches long).....	8
AS2130	Box with Bushing for Conveyor Chain Drive Shaft in Upper End of Elevator (2 used) (S515, Complete).....	8
AS2358	Clean Grain Auger Housing with End Supports (22-inch only).....	8
AS2359	Clean Grain Auger Housing with End Supports (28-inch only).....	8
AS2382	Bottom Step for Ladder.....	8
AS2383	Top Step for Ladder.....	8
AS2398	Tailings Auger Shaft, Complete with Spiral (22-inch only).....	8
AS2399	Tailings Auger Shaft, Complete with Spiral (28-inch only).....	8
AS2400	Extension for Clean Grain Auger Flight.....	8
AS2401	Separating Cylinder Shaft, Complete (22-inch only).....	8
AS2402	Separating Cylinder Shaft, Complete (28-inch only).....	8
AS2403	Support Bracket, Lower, for Tailings Elevator.....	8
AS2404	Tailings Auger Housing, Complete with End Supports (22-inch only).....	8
AS2405	Tailings Auger Housing, Complete with End Supports (28-inch only).....	8
AS2406	Head Plate Outside on Lower End of Elevator.....	8
AS2613	Spout from Tailings Elevator to Cylinder (22-inch only).....	8
AS2614	Spout from Tailings Elevator to Cylinder (28-inch only).....	8
P612	Durex Bearing in Boxes on Conveyor Chain Drive Shaft (2 used).....	8
P1416	Box for Tailings Auger Shaft (2 used).....	8
P10528	Clip on Spout for Hand Hole Cover.....	8
P12846	Hand Hole Cover for Tailings Elevator Spout.....	8
P14169	Angle Bracket for Lock Bolt on Lower End of Elevator.....	8
P14601	Hinge Pin for Door on Lower End of Elevator.....	8
S440	Driven Pulley at Upper End of Tailings Elevator (2-3/4-inch Face, 13-3/4-inch Diameter, 7/8-inch Bore).....	8
S515	Box for Conveyor Chain Drive Shaft in Upper End of Elevator (2 used) (Order AS2130).....	8
S517	Collar on R. H. End of Drive Shaft in Upper End of Elevator.....	8
S526	Drive Pulley on L. H. End of Beater Shaft for Tailings Elevator (2-3/4-inch Face, 6-1/4-inch Diameter, 1-1/4-inch Bore).....	8
S611	Conveyor Chain Idler Sprocket in Lower End of Elevator (7 Teeth).....	8
S647	Conveyor Chain Drive Sprocket in Upper End of Elevator (7 Teeth).....	8
S4928	Yoke for Upper End of Elevator.....	8
S6487	Shield for Weigher Drive Chain.....	8
S6488	Bracket, Upper, for Weigher Drive Chain Shield.....	8
S7163	Lug Washer for Box on Drive Shaft at Upper End of Elevator.....	8
S7206	Guide for Conveyor Chain Adjusting Brackets on Upper End of Elevator (4 used).....	8
S7207	Conveyor Chain Drive Shaft in Upper End of Elevator.....	8
S7208	End Plate for Upper End of Elevator.....	8
S7421	Yoke for Lower End of Elevator.....	8
S8002	Stiffener Angle for Front Side of Tailing Auger Housing (22-inch only).....	8
S8003	Stiffener Angle for Front Side of Tailing Auger Housing (28-inch only).....	8

Catalog No.	DESCRIPTION	Plate
EXTRA TAILINGS ELEVATOR (FOR L. H. SIDE OF THRESHER)—Continued		
S8419	Tailings Auger Housing Corner Clip, R. H., Front.....	8
S8420	Tailings Auger Housing Corner Clip, L. H., Front.....	8
S8570	Elevator Housing, Bottom Half.....	
S8571	Elevator Center Board.....	
S8572	Crosstie for Conveyor Chain Adjusting Bolts at Upper End of Elevator.....	8
S8574	Brace from Upper End of Tailings Elevator to Top of Separator.....	8
S8579	Clean-Out Door at Lower End of Elevator.....	8
S8581	Hinge Rod Plate for Door on Lower End of Elevator.....	8
S8598	Connection Collar between Tailings Elevator and Auger.....	8
S8622	Bracket for Lock Bolt on Door at Lower End of Elevator.....	8
S9392	Handle on Rear Separator Top.....	
S9396	Ladder Side Angle, Front.....	
S9404	Support Angle for Front Side Angle on Ladder.....	
S9423	Support Angle for Elevator Yoke, Upper (22-inch only).....	
S9424	Support Angle for Elevator Yoke, Upper (28-inch only).....	
S9425	Bracket for Grease Gun Holder.....	
S9426	Head Plate, Inside, on Lower End of Elevator.....	
S9431	Brace, Lower Front, Clean Grain Elevator to Separator Sill.....	
S9432	Brace, Lower Rear, Clean Grain Elevator to Separator Sill.....	
S9435	Support, Upper, for Clean Grain Elevator.....	
S9444	Extension, Clean Grain Auger Housing to Elevator.....	
S9447	Bracket, Lower, for Weigher Drive Chain Shield.....	
S9505	Stiffener for Upper End of Elevator (2 used).....	8
S9652	Adjusting Plate, R. H., for Elevator Conveyor Chain.....	
S9653	Adjusting Plate, L. H., for Elevator Conveyor Chain.....	
S9654	Elevator Housing, Top Half.....	
WIND STACKER FAN AND HOUSING		
AS1862	Housing Side Angle, R. H.....	9
AS1863	Hinge Angle for L. H. Side of Housing.....	9
AS1864	Door on R. H. Side of Housing.....	
AS1865	Bracket on Bottom of Housing for Brace to Fan Housing.....	9
AS1866	Brace, Lower, from Fan Housing to R. H. Side of Separator (22-inch only).....	9
AS1867	Brace, Lower, from Fan Housing to R. H. Side of Separator (28-inch only).....	9
AS2034	Front Cross Angle for Housing Bottom Sheet (22-inch only).....	9
AS2035	Front Cross Angle for Housing Bottom Sheet (28-inch only).....	9
AS2103	Fan Blade with Arm.....	9
AS2113	Door on Rear of Housing (28-inch only).....	9
AS2245	Door on Rear of Housing (22-inch only).....	9
H1748	Spring for Door Latch on Rear and Side of Housing (4 used).....	9
P5265	Oil Pipe for Fan Drive Shaft Bearing.....	9
P10470	Spring for Loose Pipe Clamp.....	9
S518	Support for Fan Drive Shaft Bearing Housing.....	9
S519	Adjusting Collar on Fan Shaft Bearing Housing.....	9
S649	Hub for Fan Blades.....	
S5530	Felt Washer, Outer, for Wind Stacker Fan Roller Bearing Box.....	9
S7199	Lock for Adjusting Collar on Fan Shaft Bearing Housing.....	9
S7674	Fan Blade (4 used).....	9
S7676	Fan Shaft.....	9
S7677	Felt Washer, Inner, for Wind Stacker Fan Roller Bearing Box.....	9
S7805	Latch Clip for Door on Rear and Side Housing (4 used).....	9
S7807	Stud for Housing, Side Door Latch (2 used).....	9
S8073	Fan Arm (4 used).....	9
S8081	Angle on Housing Bottom Sheet around Fan Housing.....	9
S8082	Front Cross Angle for Housing Top Sheet (22-inch only).....	9
S8083	Front Cross Angle for Housing Top Sheet (28-inch only).....	9
S8086	Cross Angle on Middle of Housing Top Sheet (22-inch only).....	9
S8087	Cross Angle on Middle of Housing Top Sheet (28-inch only).....	9
S8088	Hinge Angle for Door on Rear of Housing (22-inch only).....	9
S8089	Hinge Angle for Door on Rear of Housing (28-inch only).....	9
S8090	Lock Angle for Door on Rear of Housing (22-inch only).....	9
S8091	Lock Angle for Door on Rear of Housing (28-inch only).....	9

Catalog No.	DESCRIPTION	Plate
WIND STACKER FAN AND HOUSING—Continued		
S8092	Hinge Angle for Door on R. H. Side of Housing.....	9
S8094	Angle on Inside of Housing Side Sheet, L. H., over Fan Housing.....	9
S8095	Housing Top Sheet (22-inch only).....	
S8096	Housing Top Sheet (28-inch only).....	
S8097	Side Sheet over Door on R. H. Side of Housing.....	9
S8098	Housing Side Sheet, L. H.....	9
S8099	Housing Bottom Sheet (22-inch only).....	
S8100	Housing Bottom Sheet (28-inch only).....	
S8103	Hinge for Housing Doors (4 used).....	9
S8104	Latch for Door on Rear of Housing (2 used).....	9
S8107	Latch for Door on Side of Housing (2 used).....	9
S8108	Fan Housing Side Sheet, R. H.....	9
S8109	Fan Housing Side Sheet, L. H.....	9
S8110	Fan Housing, Outer Curved Sheet.....	
S8111	Filler Bar between Fan Housing, R. H., Side Sheet and Wind Stacker Side Sheet.....	9
S8113	Support Angle, Lower, for Fan Shaft Bracket.....	9
S8114	Angle on Bottom of Fan Housing Side, R. H.....	9
S8115	Bracket on Bottom of Fan Housing Sides for Tie Bolt (2 used).....	9
S8116	Spacer Pipe on Upper Tie Bolt for Fan Housing Sides.....	9
S8117	Spacer Pipe on Lower Tie Bolt for Fan Housing Sides.....	9
S8118	Tie Bolt for Fan Housing Sides (2 used).....	9
S8119	Brace, Upper, from Fan Housing to R. H. Side of Wind Stacker Housing (22-inch only).....	9
S8120	Brace, Upper, from Fan Housing to R. H. Side of Wind Stacker Housing (28-inch only).....	9
S8147	Stiffener for Top of Fan Housing Side Sheet, L. H.....	9
S8412	Support for L. H. End of Step on Rear of Wind Stacker Housing.....	9
S8426	Board for Step on Side of Fan Housing.....	9
S8427	Rear Support for Step on Side of Fan Housing.....	9
S8428	Front Support for Step on Side of Fan Housing.....	9
S8590	Stiffener for Front End of Fan Housing.....	9
S8593	Guard for Step on Rear of Wind Stacker Housing.....	9
S8594	Board for Step on Rear of Wind Stacker Housing.....	9
S8595	Support for L. H. End of Step on Rear of Wind Stacker Housing.....	9
S8596	Tie Strap for R. H. End of Step on Rear of Wind Stacker Housing.....	9
S8703	Support Angle, Upper, for Fan Shaft Bracket.....	9
S8718	Chain for Housing Rear Door.....	9
S8719	Chain for Housing Side Door.....	9
S9312	Support for Oil Pipe in Fan Drive Shaft Bearing Housing.....	
S9495	Nut on Wind Stacker Fan Shaft.....	
S9729	Gusset Plate at Rear End of Angle on Housing at L. H. End of Rear Door.....	
S9730	Angle on Housing at L. H. End of Rear Door.....	
S9731	Felt Seal, Front, on Fan Housing for Removable Section.....	
S9732	Felt Seal, Rear, on Fan Housing for Removable Section.....	
WIND STACKER BLOWER PIPE		
No. 32	Steel Chain Link.....	
AS980	Discharge Hood, Complete.....	10
AS1321	Webbage Strap for Wind Stacker Pipe Rest.....	10
AS1322	Buckle Strap for Wind Stacker Pipe Rest.....	10
AS1737	Blower Pipe Raising Crank, Complete.....	10
AS1869	Brace from Turret Gear Support Angle, R. H., to Housing.....	10
AS1872	Lock Bolt on Fan Housing Sides for Blower Pipe Removable Section Latch (2 used).....	10
AS1874	Removable Section between Blower Pipe Elbow and Fan Housing.....	10
AS1986	Upright, R. H., for Raising Crank.....	10
AS1987	Upright, L. H., for Raising Crank.....	10
AS2159	Flexible Elbow, Complete.....	10
B6140	Buckle for Wind Stacker Top Strap.....	10
HZ5533	Pin, Telescoping Drive Sprocket to Shaft (2 used) (3/16 x 1-3/8 inches).....	10
P7725	Pipe Spacer, Lower, for Bolt in Top of Blower Pipe Yoke.....	10
P10470	Spring for Loose Pipe Clamp.....	10
S149	Handwheel on Turret Gear Drive Shaft.....	10
S182	Telescoping Handwheel.....	10
S277	Rope Holder.....	10

Catalog No.	DESCRIPTION	Plate
WIND STACKER BLOWER PIPE—Continued		
S288	Pulley for Wind Stacker Control Rope (2 used).....	10
S299	Telescoping Chain Drive Sprocket.....	10
S301	Chain Sheave for Telescoping Chain.....	10
S557	Outer Ball Race for Turret Gear.....	10
S558	Turret Gear and Inner Ball Race.....	10
S569	Nut for Raising Crank.....	10
S3570	Handgrip for Handwheel (2 used).....	10
S3581	Pin for Handwheel Handgrip (2 used).....	10
S4327	Clamp on Discharge Hood for Control Rope Chain.....	10
S4332	Bracket for Rope on Discharge Hood Revolving Collar.....	10
S4333	Discharge Hood Control Ring, Complete.....	10
S4336	Sheave Bracket, Upper, on Discharge Hood Control Ring.....	10
S4337	Guide Brackets for Discharge Hood Control Ring (4 used).....	10
S4338	Pipe Trunnion in Control Rope Sheaves (2 used).....	10
S4344	Bottom Strap for Blower Pipe Yoke.....	10
S4346	Bracket for Telescoping Chain Pipe (2 used).....	10
S4350	Drive Shaft for Telescoping Pipe.....	10
S4351	Ring on Inner Blower Pipe and Guide for Telescoping Pipe.....	10
S4352	Ring for Outer Blower Pipe.....	10
S4353	Guide for Telescoping Pipe in Ring for Outer Pipe.....	10
S4354	Lock for Telescoping Chain Sprocket.....	10
S4356	Telescoping Pipe.....	10
S4572	Pipe Trunnion in Telescoping Chain Sheave.....	10
S4664	Chain Tightener Bracket for Telescoping Chain (2 used).....	10
S5074	Elbow Section with Seam on R. H. Side when Pipe is on Top of Separator.....	10
S5075	Elbow Section with Seam on L. H. Side when Pipe is on Top of Separator.....	10
S5451	Telescoping Chain (178 Links, 32 Steel).....	10
S5468	Rope for Discharge Hood.....	10
S5676	Flange for 4-foot Blower Pipe Extension.....	10
S5690	Blower Pipe, Outer Section, Complete.....	10
S5691	Blower Pipe, Inner Section, Complete.....	10
S5999	Extension for Blower Pipe 4-foot, Complete, with Flange.....	10
S6109	Stiffener on Side Strap for Blower Pipe Yoke (2 used).....	10
S6150	Ball Bearing for Turret Gear (12 used).....	10
S6170	Discharge Hood Revolving Collar.....	10
S6176	Stop for Discharge Hood.....	10
S6178	Clip on Discharge Hood for Spring (2 used).....	10
S6179	Spring for Discharge Hood (2 used).....	10
S6695	Top Strap for Wind Stacker Pipe Rest.....	10
S6698	Blower Pipe Rest Side, R. H., on Top of Separator (used when 4-foot Extension for Blower Pipe is used).....	10
S6699	Blower Pipe Rest Side, L. H., on Top of Separator (used when 4-foot Extension for Blower Pipe is used).....	10
S6753	Hinge Pin for Wind Stacker Pipe Rest Top Strap (2 used) (1/4 x 3-1/2 inches).....	10
S6888	Hook for Chain on Discharge Hood.....	10
S6889	Chain on Discharge Hood for Rope.....	10
S6890	Pulley for Chain on Discharge Hood.....	10
S7732	Pipe Spacer, Upper, for Bolt on Top of Blower Pipe Yoke.....	10
S7742	Bracket for Upper End of Raising Crank Uprights.....	10
S7818	Brace, Inner Blower Pipe to Pipe Yoke (2 used).....	10
S8093	Support Angle, R. H., for Turret Gear.....	10
S8131	Support Angle, L. H., for Turret Gear.....	10
S8133	Spacer for Turret Gear Balls.....	10
S8134	Retaining Clip for Turret Gear Ball Spacer.....	10
S8146	Arm on Turret Gear for Wind Stacker Pipe Yoke (2 used).....	10
S8148	Latch for Removable Section of Blower Pipe (2 used).....	10
S8149	Bracket on Fan Housing Sides for Blower Pipe Removable Section Latch (2 used).....	10
S8160	Elbow Section, Lower.....	10
S8164	Side Straps for Blower Pipe Yoke (2 used).....	10
S8243	Angle on Top of Separator for Wind Stacker Rest (28-inch only).....	10
S8244	Wind Stacker Pipe Rest (2 used).....	10
S8437	Angle on Top of Separator for Wind Stacker Rest (22-inch only).....	10
S8788	Spacer to Raise Blower Pipe Rest when No. 3 or No. 13 Hart Cross Conveyor is used.....	10
S8954	Brace, from Wind Stacker Pipe Rest to Top of Separator (used when 4-foot Extension for Blower Pipe is used).....	10

Catalog No.	DESCRIPTION	Plate
OSCILLATING PARTS FOR WIND STACKER		
124389	Collar on Oscillator Worm Shaft (2 used)	11
AS1871	Worm Drive Shaft	11
AS2032	Pitman for Oscillator	11
AS2042	Throw-Out Lever for Worm	11
AS2297	Cam Arm with Roller (S566, Complete)	11
AS2486	Handwheel Shaft, Complete (Special for Oscillator Control on Top of Separator)	
AS2487	Collar, Complete on R. H. End of Worm Drive Shaft and Part of Universal Joint (Special for Oscillator Control on Top of Separator)	
AS2507	Bearing Box, Complete for Oscillator Handwheel Shaft (S629, Complete) (Special for Oscillator Control on Top of Separator)	
AS2646	Brake (Half) with Lining (2 used)	
HZ6185	Spring on Cam Arm	11
P761	Durex Bearing in Oscillator Handwheel Shaft Bearing Box (in AS2507) (Special for Oscillator Control on Top of Separator)	11
P1147	Durex Bearing in Oscillator Pitman (2 used)	11
P3164	Trip Pin in Turret Gear	11
P15253	Key for Gears on Oscillator Drive Shaft (2 used) (1/4 x 1/4 x 2-3/4 inches)	11
S149	Turret Gear Worm Handwheel (also Special for Oscillator on Top of Separator) (2 used)	11
S356	Worm for Turret Gear on Drive Shaft	11
S517	Collar on R. H. End of Worm Shaft	11
S559	Box, L. H., for Drive Shaft	11
S566	Cam Arm with Roller (Order AS2297)	11
S567	Cam for Throw-Out Yoke Roller	11
S568	Stud for Throw-Out Fork	11
S589	Pulley on L. H. End of Rear Straw Walker Crankshaft for Oscillator Pitman	11
S603	Ratchet Gear	11
S604	Reversing Fork	11
S605	Bracket for Dog	11
S606	Bracket on Drive Shaft for Pitman Yoke	11
S607	Throw-Out Lever for Ratchet Dog	11
S608	Ratchet Dog	11
S609	Eccentric on Throw-Out Lever (2 used)	11
S629	Bearing Box for Oscillator Handwheel Shaft (Order AS2507) (Special for Oscillator Control on Top of Separator)	
S637	Universal Connection for Oscillator Handwheel Shaft (Special for Oscillator Control on Top of Separator)	
S653	Box, R. H., for Drive Shaft	
S3570	Handle for Turret Gear Worm Handwheel (Special for Oscillator Control on Top of Separator) (2 used)	11
S3581	Bolt for Handle on Turret Gear Worm Handwheel (Special for Oscillator Control on Top of Separator) (2 used)	11
S8135	Roller for Cam Arm	11
S8136	Bracket, R. H., on Support Angle for Worm Drive Shaft Slide Brackets	11
S8137	Bracket, L. H., on Support Angle for Worm Drive Shaft Slide Brackets	11
S8138	Slide for Worm Drive Shaft Boxes (2 used)	11
S8141	Link from Eccentric on Throw-Out Lever to Box on Worm Drive Shaft (2 used)	11
S8665	Support Angle on Housing for Oscillator Shaft Brackets	11
S8666	Arm on Rear End of Pitman	11
S8667	Yoke on Drive Shaft for Pitman	11
S8668	Clip for Gear Cover (2 used)	11
S8670	Cover for Ratchet Gear	11
S8770	Spring for Ratchet Dog (1-1/2 x 1/2 inches—10 coils)	11
S8815	Ball Bearing Stop for Ratchet Gear	11
S8816	Spring for Ratchet Gear Ball Bearing Stop (1-7/8 x 5/16 inches—8 coils)	11
S8953	Set Screw for Ratchet Gear Ball Bearing Spring	11
S9547	Flat Brace for Oscillator Handwheel Shaft Bearing Box Bracket (Special for Oscillator Control on Top of Separator)	
S9548	Bearing Box Bracket for Oscillator Handwheel Shaft (Special for Oscillator Control on Top of Separator)	
S9749	Pin for Drive Shaft Brake in R. H. Bearing	

Catalog No.	DESCRIPTION	Plate
SIEVES AND BRACKETS (IN GRAIN PAN AND SHOE)		
AS1778	Shoe Sieve No. 11, No Choke (22-inch only)	
AS1779	Shoe Sieve No. 11, No Choke (28-inch only)	
AS1960	Cheat Screen in Bottom of Shoe 1/12-inch Rd. Hole (22-inch only)	
AS1961	Cheat Screen in Bottom of Shoe 1/12-inch Rd. Hole (28-inch only)	
AS2000	Shoe Sieve 9/32-inch Rd. Hole (Wheat, Rye and Barley) (22-inch only)	
AS2001	Shoe Sieve 9/32-inch Rd. Hole (Wheat, Rye and Barley) (28-inch only)	
AS2002	Shoe Sieve 1/16-inch Rd. Hole (Timothy) (22-inch only)	
AS2003	Shoe Sieve 1/16-inch Rd. Hole (Timothy) (28-inch only)	
AS2004	Shoe Sieve 5/32-inch Rd. Hole (Flax and Radishes) (22-inch only)	
AS2005	Shoe Sieve 5/32-inch Rd. Hole (Flax and Radishes) (28-inch only)	
AS2006	Shoe Sieve 1/10-inch Rd. Hole (Clover and Alfalfa) (22-inch only)	
AS2007	Shoe Sieve 1/10-inch Rd. Hole (Clover and Alfalfa) (28-inch only)	
AS2010	Shoe Sieve 13/64-inch Rd. Hole (Flax) (22-inch only)	
AS2011	Shoe Sieve 13/64-inch Rd. Hole (Flax) (28-inch only)	
AS2012	Shoe Sieve 3/8-inch Rd. Hole (Soy Beans) (22-inch only)	
AS2013	Shoe Sieve 3/8-inch Rd. Hole (Soy Beans) (28-inch only)	
AS2014	Shoe Sieve 7/16-inch Rd. Hole (Navy Beans) (22-inch only)	
AS2015	Shoe Sieve 7/16-inch Rd. Hole (Navy Beans) (28-inch only)	
AS2016	Shoe Sieve 9/16-inch Rd. Hole (Pea and Beans) (22-inch only)	
AS2017	Shoe Sieve 9/16-inch Rd. Hole (Pea and Beans) (28-inch only)	
AS2018	Shoe Sieve 7/32 x 1/8-inch Diamond Holes (Garden Seed) (22-inch only)	
AS2019	Shoe Sieve 7/32 x 1/8-inch Diamond Holes (Garden Seed) (28-inch only)	
AS2020	Shoe Sieve 3/32 x 1/2-inch Slots (Orchard Grass) (22-inch only)	
AS2021	Shoe Sieve 3/32 x 1/2-inch Slots (Orchard Grass) (28-inch only)	
AS2022	Cheat Screen in Bottom of Shoe 3/64-inch Rd. Hole (Lespedeza) (22-inch only)	
AS2023	Cheat Screen in Bottom of Shoe 3/64-inch Rd. Hole (Lespedeza) (28-inch only)	
AS2024	Cheat Screen in Bottom of Shoe 5/32-inch Triangular Hole (22-inch only)	
AS2025	Cheat Screen in Bottom of Shoe 5/32-inch Triangular Hole (28-inch only)	
AS2026	Cheat Screen in Bottom of Shoe 1/8 x 3/4-inch Slots (Beans) (22-inch only)	
AS2027	Cheat Screen in Bottom of Shoe 1/8 x 3/4-inch Slots (Beans) (28-inch only)	
AS2028	Cheat Screen in Bottom of Shoe 1/12 x 1/2-inch Slots (Rice) (22-inch only)	
AS2029	Cheat Screen in Bottom of Shoe 1/12 x 1/2-inch Slots (Rice) (28-inch only)	
AS2030	Cheat Screen in Bottom of Shoe 1/14 x 1/2-inch Slots (Rice) (22-inch only)	
AS2031	Cheat Screen in Bottom of Shoe 1/14 x 1/2-inch Slots (Rice) (28-inch only)	
AS2040	Blank Sheet in Bottom of Shoe used in Place of Cheat Screen (22-inch only)	
AS2041	Blank Sheet in Bottom of Shoe used in Place of Cheat Screen (28-inch only)	
AS2053	Tailings Finger Bar on Chaffer in Rear End of Grain Pan (Special) (22-inch only)	
AS2054	No Choke Chaffer No. 2 in Rear End of Grain Pan (22-inch only)	
AS2055	No Choke Chaffer No. 2 in Rear End of Grain Pan (28-inch only)	
AS2056	No Choke Chaffer No. 3 in Rear End of Grain Pan (22-inch only)	
AS2057	No Choke Chaffer No. 3 in Rear End of Grain Pan (28-inch only)	
AS2058	No Choke Chaffer Extension No. 0 for Grain Pan Chaffer (22-inch only)	
AS2059	No Choke Chaffer Extension No. 0 for Grain Pan Chaffer (28-inch only)	
AS2060	Tailings Finger Bar on Chaffer in Rear End of Grain Pan (Special) (28-inch only)	
AS2513	Rear Adjustable Extension for Chaffer in Rear End of Grain Pan (22-inch only)	
AS2514	Rear Adjustable Extension for Chaffer in Rear End of Grain Pan (28-inch only)	
AS2515	Adjustable Chaffer in Rear End of Grain Pan (22-inch only)	
AS2516	Adjustable Chaffer in Rear End of Grain Pan (28-inch only)	
AS2537	Shoe Sieve, 9/64-inch Rd. Hole (Lespedeza) (22-inch only)	
AS2538	Shoe Sieve, 9/64-inch Rd. Hole (Lespedeza) (28-inch only)	
AS2566	Shoe Sieve, Adjustable (22-inch only)	
AS2567	Shoe Sieve, Adjustable (28-inch only)	
AS2639	Tailings Finger Bar on Chaffer in Rear End of Grain Pan (Rice) (22-inch only)	
AS2640	Tailings Finger Bar on Chaffer in Rear End of Grain Pan (Rice) (28-inch only)	
S291	Wing Nut for Sieve Adjusting Rod (4 used)	12
S5077	Rod for Adjustable Chaffer and Sieve (2 used)	12
S7942	Tailings Chaffer Extension Support Plate (2 used)	12
S7943	Bracket, L. H., on Tailings Chaffer Extension	12
S7944	Bracket, R. H., on Tailings Chaffer Extension	12
S8060	Hinge for Adjustable Extension on Chaffer in Rear End of Grain Pan (2 used)	12
S8720	Tailings Chaffer Adjusting Rod	12
S8783	Finger for Tailings Finger Bar on Chaffer in Rear End of Grain Pan (Special)	

Catalog No.	DESCRIPTION	Plate
ROLLER AND BALL BEARINGS		
JD7243	Timken Roller Bearing, Complete, in Engine Drive Belt Idler Pulley and in Separating Cylinder, Straw Walker, Shoe and Wind Stacker Drive Belt Tightener Pulleys (less Cup) (Cup JD7409) (Timken No. 14125) (6 used)	13
JD7246	Roller Bearing, Complete, on Wind Stacker Fan Shaft (less Cup) (Cup, R. H., JD7270 and Cup, L. H., JD7407) (Timken No. 3379) (2 used)	13
JD7270	Cup, R. H., for JD7246 Roller Bearing (Timken No. 3320)	13
JD7407	Cup, L. H., for JD7246 Roller Bearing (Timken No. 3329)	13
JD7409	Cup for JD7243 Roller Bearing in Belt Idler and Tightener Pulleys (Timken No. 14276) (6 used)	13
JD7468	Outer Sleeve for JD7525 Roller Bearing (Hyatt No. 4382) (8 used)	13
JD7525	Hyatt Roller Bearing, Complete, in Boxes on Fan and Separating Cylinder Shaft (less Sleeve) (Sleeve JD7468) (Hyatt No. 99007X) (4 used)	13
JD7541	Hyatt Roller Bearing, Complete, in Boxes on Straw Walker Crankshaft (Hyatt No. 99022X) (4 used)	13
S7451	Thrust Bearing for Wind Stacker Raising Crank (Nice No. 608)	13
S8597	Cylinder Shaft Ball Bearing, Complete (SKF1310) (2 used)	13
PULLEYS AND SPROCKETS		
S299	Wind Stacker Telescoping Chain Drive Sprocket	14
S375	Driven Pulley on R. H. End of Clean Grain Auger (2-3/4-inch Face, 10-3/4-inch Diameter, 1-1/16-inch Bore)	14
S440	Driven Pulley at Upper End of Tailings Elevator (2-3/4-inch Face, 13-3/4-inch Diameter, 7/8-inch Bore)	14
S526	Drive Pulley on R. H. End of Beater Shaft for Tailings Elevator (2-3/4-inch Face, 6-1/4-inch Diameter, 1-1/4-inch Bore)	14
S529	Drive Pulley on R. H. End of Fan Shaft for Clean Grain Auger (2-3/4-inch Face, 5-3/4-inch Diameter, 1-1/4-inch Bore)	14
S530	Driven Pulley for Separating Cylinder on R. H. End of Separating Cylinder Shaft (Special for L. H. End of Fan for 627 R.P.M.) (5-1/2-inch Face, 11-1/2-inch Diameter, 1-1/4-inch Bore)	14
S543	Driven Pulley for Fan on L. H. End of Fan Shaft (525 R.P.M.) (4-1/2-inch Face, 13-1/2-inch Diameter, 1-1/4-inch Bore)	14
S588	Driven Pulley on R. H. End of Front Straw Walker Crankshaft (5-1/2-inch Face, 25-1/4-inch Diameter, 1-1/2-inch Bore)	14
S589	Pulley on L. H. End of Rear Straw Walker Crankshaft for Oscillator Pitman	14
S597	Balance Wheel on L. H. End of Shoe and Grain Pan Crankshaft	14
S598	Driven Pulley for Shoe and Grain Pan on R. H. End of Shoe Drive Crankshaft (5-1/2-inch Face, 21-7/8-inch Diameter, 1-1/2-inch Taper Bore)	14
S610	Conveyor Chain Drive Sprocket in Upper End of Tailings Elevator (7 Teeth)	14
S611	Conveyor Chain Idler Sprocket in Lower End of Elevator (7 Teeth)	14
S4657	Engine Pulley on L. H. End of Cylinder Shaft (8-inch Face, 11-inch Diameter, 1-15/16-inch Bore)	14
S4658	Wind Stacker Drive Pulley on L. H. End of Cylinder Shaft (5-1/2-inch Face, 10-1/2-inch Diameter, 1-15/16-inch Bore)	14
S5142	Engine Pulley on L. H. End of Cylinder Shaft (8-inch Face, 7-inch Diameter, 1-15/16-inch Bore)	14
S5143	Engine Pulley on L. H. End of Cylinder Shaft (8-inch Face, 8-inch Diameter, 1-15/16-inch Bore)	14
S5144	Engine Pulley on L. H. End of Cylinder Shaft (8-inch Face, 9-inch Diameter, 1-15/16-inch Bore)	14
S5145	Engine Pulley on L. H. End of Cylinder Shaft (8-inch Face, 10-inch Diameter, 1-15/16-inch Bore)	14
S5146	Engine Pulley on L. H. End of Cylinder Shaft (8-inch Face, 12-inch Diameter, 1-15/16-inch Bore)	14
S5147	Engine Pulley on L. H. End of Cylinder Shaft (8-inch Face, 13-inch Diameter, 1-15/16-inch Bore)	14
S5148	Engine Pulley on L. H. End of Cylinder Shaft (8-inch Face, 14-inch Diameter, 1-15/16-inch Bore)	14
S6507	Engine Pulley on L. H. End of Cylinder Shaft (8-inch Face, 11-1/2-inch Diameter, 1-15/16-inch Bore)	14
S6533	Engine Pulley on L. H. End of Cylinder Shaft (8-inch Face, 9-1/2-inch Diameter, 1-15/16-inch Bore)	14
S6534	Engine Pulley on L. H. End of Cylinder Shaft (8-inch Face, 10-1/2-inch Diameter, 1-15/16-inch Bore)	14
S6642	Engine Pulley on L. H. End of Cylinder Shaft (8-inch Face, 8-1/2-inch Diameter, 1-15/16-inch Bore)	14
S7331	Driven Pulley on Wind Stacker Fan (5-1/2-inch Face, 11-3/4-inch Diameter, 1-5/8-inch Bore)	14
S7332	Drive Pulley on R. H. End of Cylinder Shaft for Separating Cylinder, Straw Walkers and Shoe Drive (5-1/2-inch Face, 5-inch Diameter, 1-15/16-inch Bore)	14
S8324	Engine Drive Belt Idler Pulley	14
S8338	Feeder Drive Pulley on R. H. End of Cylinder Shaft and Fan Drive Pulley on L. H. End of Cylinder Shaft (4-1/2-inch Face, 6-7/8-inch Diameter, 1-15/16-inch Bore) (2 used)	14
S8779	Engine Pulley on L. H. End of Cylinder Shaft (8-inch Face, 16-inch Diameter, 1-15/16-inch Bore)	14
S8780	Engine Pulley on L. H. End of Cylinder Shaft (8-inch Face, 18-inch Diameter, 1-15/16-inch Bore)	14
S8781	Engine Pulley on L. H. End of Cylinder Shaft (8-inch Face, 20-inch Diameter, 1-15/16-inch Bore)	14
S8928	Engine Pulley on L. H. End of Cylinder Shaft (12-1/2-inch Diameter, 8-inch Face, 1-15/16-inch Bore)	14
S9487	Engine Pulley on L. H. End of Cylinder Shaft (15-inch Diameter, 8-inch Face, 1-15/16-inch Bore) (Rice) (Model "D" Tractor)	14

Catalog No.	DESCRIPTION	Plate
BELTS AND CHAINS		
32	Steel Chain Link for Wind Stacker Telescoping Chain.....	.....
45SD	Attachment Link.....	.....
55	Steel Chain Link for Tailings Elevator Conveyor Chain.....	.....
55SD	Attachment Link for Tailings Elevator Conveyor Chain Paddle.....	.....
AS1985	Tailings Elevator Conveyor Chain, Complete, with Paddles (No. 55 Chain).....	.....
AS2044	Separating Cylinder, Straw Walker and Shoe Drive Belt (5-inch x 4-Ply x 176 inches long).....	.....
AS2045	Fan Drive Belt (4-inch x 4-Ply x 176-9/16 inches long).....	.....
AS2046	Wind Stacker Drive Belt (5-inch x 4-Ply x 377-1/8 inches long).....	.....
AS2047	Tailings Elevator Drive Belt (2-1/2-inch x 4-Ply x 102-1/2 inches long).....	.....
AS2048	Clean Grain Auger Drive Belt (2-1/2-inch x 4-Ply x 84-5/8 inches long).....	.....
AS2068	Splice for Feeder Drive Belt (used when Drive Belt shrinks) (3-1/2 x 4-Ply x 2 inches long) (22-inch only).....	.....
AS2490	Splice for Weigher Belt (used when Drive Belt shrinks) (3 x 4 Ply x 2 inches Long).....	.....
AS2510	Splice for Feeder Drive Belt (used when Drive Belt shrinks) (4 x 4 Ply x 2 inches Long) (28-inch only).....	.....
S5433	Splice for Separating Cylinder, Straw Walker, Shoe Drive Belt and Wind Stacker Drive Belt (used when Drive Belt shrinks) (5 x 4 Ply x 4 inches Long).....	.....
S5451	Telescoping Chain for Wind Stacker (178 Links, No. 32 Steel).....	.....
IDLER AND TIGHTENER PULLEYS, BRACKETS, BELT REEL AND MISCELLANEOUS		
1C2441	Cup Washer for Bearings in Drive Belt Idler and Tightener Pulleys (12 used) (Timken T49569).....	15
AS1954	Adjusting Bracket, L. H., for Separating Cylinder, Straw Walker and Shoe Drive Belt Tightener Pulley Bracket Shaft.....	15
AS1955	Shaft with Inner Guide for Engine Belt Idler Pulley.....	15
AS2037	Shaft with Bracket for Engine Belt Reel.....	15
AS2038	Engine Belt Reel.....	15
HZ7095	Pipe Spacer in Lock Lever for Separating Cylinder, Straw Walker and Shoe Drive Belt Tightener.....	15
J3462	Plain Washer for Felt Grease Retaining Washer in Drive Belt Idler and Tightener Pulleys (6 used).....	.....
JD7750	Zerk Grease Gun (Zerk No. 5585).....	.....
JD7759	Zerk Fitting, 1/8-inch Pipe Thread, Straight (Zerk No. 1610).....	15
JD7760	Zerk Fitting, 1/8-inch Pipe Thread, Elbow, 67-1/2° (Zerk No. 1612).....	15
JD7767	Zerk Fitting, 7/16-inch Wood Screw, Elbow, 67-1/2° (Zerk No. 1664).....	.....
JD7768	Zerk Fitting, 7/16-inch Wood Screw, Straight (Zerk No. 1663).....	.....
JD7769	Zerk Fitting, 1/4-inch Pipe Thread, Straight (Zerk No. 1627).....	15
JD7771	Zerk Fitting, 1/8-inch Pipe Thread, Straight (1-1/4-inch Long) (Zerk No. 1607).....	.....
JD7781	Zerk Fitting, 1/8-inch Pipe Thread, Elbow, 90° (Zerk No. 1613).....	15
JD7782	Zerk Fitting, 1/8-inch Pipe Thread, Straight Drive (Zerk No. 1669).....	15
JD7783	Zerk Fitting, 1/8-inch Pipe Thread, Elbow, 30° (2-9/32-inch Long) (Zerk No. 1638).....	15
JD7794	Zerk Fitting, 1/8-inch Pipe Thread, Female (Zerk No. 1618).....	15
P3157	Felt Washer for Drive Belt Idler and Tightener Pulleys (3 used).....	15
P5403	Cylinder Tooth Straightener.....	15
P7877	Pipe Spacer in Lock for Engine Belt Reel and in Tightener for Wind Stacker Drive Belt (3 used).....	15
P21174	Lock Washer for Nut on Belt Tightener Shafts (3 used).....	15
S533	Handwheel for Engine Belt Idler Pulley Adjusting Rod (2 used).....	15
S552	Lock Lever for Separating Cylinder, Straw Walker and Shoe Drive Belt Tightener Bracket.....	15
S576	Adjusting Nut for Roller Bearing on Drive Belt Idler and Tightener Pulleys (3 used).....	15
S599	Bracket for Separating Cylinder, Straw Walker and Shoe Drive Belt Tightener Pulley.....	15
S600	Bracket for Wind Stacker Drive Belt Tightener Pulley.....	15
S3825	Monkey Wrench.....	.....
S7356	Pipe Spacer for Adjusting Lever for Separating Cylinder, Straw Walker, Shoe and Wind Stacker Drive Belt Idler Pulleys (2 used).....	15
S7576	Adjusting Rod for Engine Belt Idler Pulley.....	15
S7577	Bracket for Engine Belt Idler Pulley Adjusting Rod.....	15
S8162	Hand Lever for Separating Cylinder, Straw Walker and Shoe Drive Belt Tightener Pulley.....	15
S8324	Main Drive Belt Idler Pulley.....	15
S8326	Snap Ring for Drive Belt Idler and Tightener Pulley Roller Bearing (6 used).....	15
S8331	Outer Guide for Engine Belt Idler Pulley.....	15
S8587	Shaft for Wind Stacker, Separating Cylinder, Straw Walker and Shoe Drive Belt Tightener Pulleys (2 used).....	15
S8588	Tightener Pulley for Wind Stacker, Separating Cylinder, Shoe and Straw Walker Drive Belt (2 used) (5-1/2-inch Face, 6-1/8-inch Diameter, 2-11/16-inch Bore).....	15
S8599	Support Plate, L. H., for Wind Stacker Drive Belt Tightener Pulley Bracket Shaft.....	.....
S8632	Shaft for Wind Stacker Drive Belt Tightener Pulley Bracket.....	15

Catalog No.	DESCRIPTION	Plate
IDLER AND TIGHTENER PULLEYS, BRACKETS, BELT REEL AND MISCELLANEOUS—Continued		
S8721	Hand Lever for Wind Stacker Drive Belt Tightener Pulley.....	15
S8722	Lock Lever for Wind Stacker Drive Belt Tightener Bracket.....	15
S8731	Lock for Engine Belt Reel.....	15
S8732	Bracket for Engine Belt Reel Lock (2 used).....	15
S9517	Cylinder and Concave Tooth Wrench.....	
S9564	Roller Bearing Spacer, Outer on Engine Belt Idler Pulley Shaft and Outer and Inner Spacer on Tightener Pulleys (5 used).....	
S9583	Felt Grease Retainer in Drive Belt Idler and Tightener Pulleys (6 used).....	
S9590	Roller Bearing Spacer, Inner, on Engine Belt Idler Pulley Shaft.....	
S9645	Bracket, R. H., for Separating Cylinder, Straw Walker and Shoe Drive Belt Tightener Pulley Bracket Shaft.....	
S9646	Shaft for Separating Cylinder, Straw Walker and Shoe Drive Belt Tightener Pulley Bracket (22-inch only).....	
S9647	Shaft for Separating Cylinder, Straw Walker and Shoe Drive Belt Tightener Pulley Bracket (28-inch only).....	
S9716	Support Bracket, R. H., for Wind Stacker Drive Belt Tightener Pulley Bracket Shaft.....	
WHEELS, AXLES, SEPARATOR SUPPORTING PARTS AND HITCH		
AS1123	Pipe Pole Connection on Axle Channel.....	16
AS1613	Support on Front Axle for Separator Support Angle Bracket.....	16
AS1712	Hitch Pole, Complete.....	
AS1982	Horse Hitch Extension for Pole (length, 68 inches).....	
AS2263	Hitch Pole, Complete (Special for Wide Tread Front Axle) (Front Axles AS2264, 22-inch, and AS-2265, 28-inch).....	
AS2264	Front Axle Channel (Special Wide Tread) (Hitch Pole AS2263) (22-inch only).....	
AS2265	Front Axle Channel (Special Wide Tread) (Hitch Pole AS2263) (28-inch only).....	
AS2592	Support Angles and Brackets, Complete for Front of Separator (22-inch only).....	
AS2593	Support Angles and Brackets, Complete for Front of Separator (28-inch only).....	
B5758	Pin, Pole Side Braces to Bolts through Front Axle Channels (2 used).....	16
JD987	Wheels (4 used).....	
S20	Wheel Cap (4 used).....	16
S247	Spacer between Middle of Front Axle Channels.....	16
S292	Front and Rear Axle Support, Inner, L. H., Rear and R. H. Front in Axle Channels (4 used).....	16
S293	Front and Rear Axle Support, Inner R. H. Rear and L. H. Front in Axle Channels (4 used).....	16
S294	Front and Rear Axle Support and Wheel Collar, L. H. Rear and R. H. Front in Axle Channels (4 used).....	16
S295	Front and Rear Axle Support and Wheel Collar, R. H. Rear and L. H. Front in Axle Channels (4 used).....	16
S297	Bracket on Main Sill for Rear Axle (2 used).....	16
S303	Cast Washers on Separator Support Bracket Bolt on Front Axle.....	16
S472	Cast Washer on Bolt through Separator Support on Front Axle.....	16
S3881	Spacer Pipe in Axle Channels (3/4 x 3-5/8 inches).....	16
S4554	Stub Axle, Rear (2 used).....	
S4706	Thrust Washer for Wheels (8 used).....	16
S4796	Plate on Bolt through Axle (2 used).....	
S5022	Doubletree Strap for Horse Hitch Extension Pole.....	
S6089	Front Axle Channel (2 used) (28-inch only).....	16
S6090	Stub Axle, Front (2 used).....	16
S6096	Hitch Bolt, Complete through Front Axle Channel (2 used).....	16
S6112	Pin, Pole to Center Hitch on Axle Channels.....	16
S7653	Hitch Bolt Plate (2 used).....	16
S7894	Push Pole Plate.....	16
S8629	Connecting Plate for Pole Extension (2 used).....	16
S8631	Extension for Hitch Pole (length, 36 inches) (used with 14-foot carrier).....	
S8769	Front Axle Channel (2 used) (22-inch only).....	16
S9650	Rear Axle Channel (2 used) (22-inch only).....	
S9651	Rear Axle Channel (2 used) (28-inch only).....	
S9670	Brace from Rear Axle to Separator Sills (2 used).....	
S9671	Angle Brace from Rear Axle I-Beam to Separator Sills (28-inch only).....	
S9703	Angle Brace from Rear Axle I-Beam to Separator Sills (22-inch only).....	

Catalog No.	DESCRIPTION	Plate
MAIN SILLS, SIDE SHEETS AND TOOL BOX		
AS1877	Separator Frame Cross Angle, Front (22-inch only)	17
AS1943	Separator Frame Cross Angle, Front (28-inch only)	17
AS1981	Tool Box, Complete	
AS2300	Separator Top Door (22-inch only)	
AS2320	Separator Top Door (28-inch only)	
AS2598	Webbage Strap, Complete, for Grain Spout Rest	
AS2605	Separator Side, R. H., Complete with Upright Angles and Main Frame Angles	
AS2606	Separator Side, L. H., Complete with Upright Angles and Main Frame Angles	
B6811	Buckle, Complete, on Webbage Strap for Grain Spout Rest	17
K350	Turnbuckle for Adjustable Truss Rods at Front of Separator	17
P4616	Hinge for Tool Box and Separator Top Door (5 used)	17
P5118	Handle on Separator Top and Upright Angle on R. H. Side of Separator (3 used)	17
S4663	Angle Brace for Main Frame Rear Top Corner (4 used)	17
S6700	Handle for Separator Top Door	17
S7844	Leveling Marker on Side of Separator (2 used)	17
S8051	Tie Rod for Separator Main Sill (22-inch only)	17
S8052	Tie Rod for Separator Main Sill (28-inch only)	17
S8181	Upright Angle, R. H., for Separator Front Sheet and Rear End of Cylinder Bearing Support Angle (28-inch only)	17
S8182	Upright Angle, L. H., for Separator Front Sheet and Rear End of Cylinder Bearing Support Angle (22-inch only)	17
S8227	Wagon Hitch, Hitch Plate on Separator Main Sill, R. H.	17
S8228	Shield over Tailings Auger Housing on Rear of Separator (28-inch only)	17
S8229	Separator Side Sheet, Front (2 used)	
S8230	Separator Side Sheet, R. and L. H., Rear (2 used)	
S8231	Separator Side Sheet No. 1 from Front (2 used)	
S8233	Separator Top Cross Angle, Front (22-inch only)	17
S8234	Top Door Hinge Angle (28-inch only)	17
S8235	Top Sheet, Front (28-inch only)	
S8236	Separator Top Stiffener Angle, Front, Inside of Separator	17
S8239	Separator Top Cross Angle Nos. 1 and 2 from Rear (28-inch only)	17
S8240	Separator Top Cross Angle, Rear (28-inch only)	17
S8241	Separator Top Stiffener Angle, Rear, Inside of Separator	
S8242	Top Sheet, Rear (28-inch only)	
S8363	Separator Front Sheet, Upper (22-inch only)	17
S8364	Separator Front Sheet, Upper (28-inch only)	17
S8366	Separator Front Sheet, L. H. (22-inch only)	17
S8368	Separator Front Sheet, L. H. (28-inch only)	17
S8369	Upright Angle, R. H., for Separator Front Sheet and Rear End of Cylinder Bearing Support Angle (22-inch only)	
S8370	Upright Angle, L. H., for Separator Front Sheet and Rear End of Cylinder Bearing Support Angle (28-inch only)	
S8371	Crossbar on Front of Separator (22-inch only)	17
S8372	Crossbar on Front of Separator (28-inch only)	17
S8373	Gusset Plate, R. H., for Top Angle and Front Angle	17
S8374	Gusset Plate, L. H., for Top Angle and Front Angle	17
S8396	Separator Top Cross Angle, Front (28-inch only)	17
S8407	Pipe Spacer on Tie Rod for Separator Main Sill (22-inch only)	17
S8408	Pipe Spacer on Tie Rod for Separator Main Sill (28-inch only)	17
S8411	Shield over Tailings Auger Housing on Rear of Separator (22-inch only)	17
S8432	Top Door Hinge Angle (22-inch only)	17
S8433	Separator Top Cross Angle, No. 3 from Rear (22-inch only)	17
S8434	Separator Top Cross Angle, No. 3 from Rear (28-inch only)	17
S8435	Separator Top Cross Angle, Nos. 1 and 2 from Rear (22-inch only)	17
S8436	Separator Top Cross Angle, Rear (22-inch only)	17
S8438	Top Sheet, Front (22-inch only)	
S8439	Top Sheet, Rear (22-inch only)	
S8527	Shield for Rear Top Corner Braces (2 used)	17
S8531	Straw Walker Crank Hole Shield (4 used)	17
S8557	Support Bracket, Front, for Tool Box	17
S8558	Support Bracket, Rear, for Tool Box	17
S8562	Brace on Front of Tool Box	17

Catalog No.	DESCRIPTION	Plate
MAIN SILLS, SIDE SHEETS AND TOOL BOX—Continued		
S8687	Adjustable Truss Rod, Front, on Main Sills at Front of Separator (2 used).....	17
S8688	Adjustable Truss Rod, Rear, on Main Sills at Front of Separator (2 used) (22-inch only).....	17
S8689	Adjustable Truss Rod, Rear, on Main Sills at Front of Separator (2 used) (28-inch only).....	17
S8766	Leveling Arrow (2 used).....	17
S8834	Separator Side Sheet, R. and L. H., No. 2 from Front (2 used).....	17
S9678	Separator Front Sheet, R. H. (22-inch only).....	17
S9683	Separator Front Sheet, R. H. (28-inch only).....	17
S9747	Rest on Separator Top for Grain Spout, while transporting.....	17
CLOVER RECLEANER		
AP3994	Bearing Box on Countershaft (P1231, Complete) (2 used).....	18
AS2082	Bracket on Top Frame Angle for Hanger Arms (4 used).....	18
AS2083	Bracket on Shoe Side for Hanger Arms (4 used).....	18
AS2084	Fan Hub, Complete with Arms (2 used).....	18
AS2085	Bracket for Fan Shaft Roller Bearing Box, R. H.....	18
AS2251	Bracket for Fan Shaft Roller Bearing Box, L. H.....	18
AS2271	Sieve, Complete, 11/64-inch Rd. Hole.....	18
AS2272	Sieve, Complete, 9/64-inch Rd. Hole.....	18
AS2273	Sieve, Complete, 7/64-inch Rd. Hole.....	18
AS2274	Sieve, Complete, 1/8-inch Rd. Hole.....	18
AS2275	Sieve, Complete, 3/32-inch Rd. Hole.....	18
AS2276	Sieve, Complete, 5/64-inch Rd. Hole.....	18
AS2277	Sieve, Complete, 1/16-inch Rd. Hole.....	18
AS2278	Sieve, Complete, 1/20-inch Rd. Hole.....	18
AS2279	Sieve, Complete, 3/64-inch Rd. Hole.....	18
AS2280	Sieve, Complete, 14 x 14-inch Wire Mesh.....	18
AS2281	Cheat Screen, Complete, 3/64-inch Rd. Hole.....	18
AS2282	Cheat Screen, Complete, 24 x 24-inch Wire Mesh.....	18
AS2283	Cheat Screen, Complete, 30 x 30-inch Wire Mesh.....	18
AS2329	Cover for Cleaner.....	18
AS2331	Tool Box Support, L. H., Complete on Wind Stacker Fan Housing.....	18
AS2371	Drive Belt for Countershaft.....	18
AS2415	Shoe, Complete.....	18
AS2416	Hanger Arm for Shoe (4 used).....	18
AS2419	Clean Grain Spout, Complete.....	18
AS2420	Tailings Spout, Complete.....	18
AS2421	Shoe Pitman, Complete (2 used).....	18
AS2508	Fan Housing, Complete.....	18
AS2509	Fan Shaft, Complete.....	18
H1748	Spring on Bolt for Fan Side Shutter.....	18
JD7454	Sleeve for JD7507 Hyatt Roller Bearing (Hyatt No. 4102) (2 used).....	18
JD7507	Hyatt Roller Bearing, Complete in Boxes on Fan Shaft (less Sleeve) (Sleeve JD7454) (Hyatt No. 16962) (2 used).....	18
M221	Pipe Spacer on Bolts from Fan Housing to Frame Angles (4 used).....	18
P204	Wing Nut on Shoe Side Tie Bolts and Fan Shutters (14 used).....	18
P1229	Cap for Countershaft Bearing Box Bracket (2 used).....	18
P1230	Bronze Bearing in Box on Countershaft (2 used).....	18
P1231	Bearing Box on Countershaft (Order AP3994).....	18
P1242	Bearing Box for Fan (2 used) (Roller Bearing JD7507) (Sleeve JD7454).....	18
P1248	Collar on R. H. End of Countershaft.....	18
P1250	Collar on R. H. End of Fan Shaft.....	18
P12208	Lug Washer on Fan Shaft (2 used).....	18
P12210	Notched Washer on Fan Shaft (2 used).....	18
P12613	Sack Hooks (8 used).....	18
P14103	Clip for Fan Shutter Hinge Rod (2 used).....	18
S467	Recleaner Drive Pulley on R. H. End of Separating Cylinder Shaft.....	18
S542	Driven Pulley on Countershaft (2-3/4-inch Face, 4-5/8-inch Diameter, 1-inch Bore).....	18
S616	Eccentric on Countershaft for Pitman (2 used).....	18
S617	Bracket for Countershaft Bearing Box (2 used).....	18
S618	Driven Pulley on L. H. End of Fan Shaft (V-Type) (5-1/8-inch Dia.).....	18
S619	Drive Pulley on L. H. End of Countershaft (V-Type) (6-1/8-inch Dia.).....	18
S5571	Bell Washer on Bolts for Fan Side Shutters (3 used).....	18
S5679	Handle on Cover.....	18

Catalog No.	DESCRIPTION	Plate
CLOVER RECLEANER—Continued		
S5700	Hopper on Top of Cleaner.....	18
S5718	U-bolt for Pulley on Separating Cylinder Shaft (3 used).....	18
S5834	Stiffener Plate, Rear, Lower, for Frame Angles (2 used).....	18
S5835	Side Stiffener Plate, Rear, Lower, for Frame Angles (2 used).....	18
S6996	Hook for Weigher Lid (to maintain a steady flow of Grain).....	18
S8842	Fan Blade (5 used).....	18
S8845	Fan Housing Side Shutter, R. H., Front.....	18
S8846	Fan Housing Side Shutter, L. H., Front.....	18
S8847	Fan Housing Side Shutter, R. H., Rear.....	18
S8848	Fan Housing Side Shutter, L. H., Rear.....	18
S8849	Hinge Rod for Fan Side Shutter, Rear.....	18
S8852	Shim for Shoe Pitman Bearing Block (8 used).....	18
S8853	Wood Bearing Blocks for Shoe Pitman (4 used).....	18
S8854	Plate for Zerk on Shoe Pitman Bearing Blocks (2 used).....	18
S8855	Stiffener, R. H., Upper, Front, for Frame Angles.....	18
S8856	Stiffener, L. H., Upper, Front, for Frame Angles.....	18
S8857	Countershaft.....	18
S8858	Top Frame Angle, R. H.....	18
S8859	Top Frame Angle, L. H.....	18
S8860	Upright Angle, R. H., Rear.....	18
S8861	Upright Angle, L. H., Rear.....	18
S8862	Upright Angle, Middle (2 used).....	18
S8863	Angle Brace from Front of R. H. Lower Frame Angle to Separator Sill.....	18
S8864	Cross Angle for Rear End of Lower Frame Angles.....	18
S8865	Support Angles for Hopper (2 used).....	18
S8866	Cross Angle for Lower Frame Angles at Rear of Fan Housing and Front Support for Clean Grain Spout.....	18
S8867	Cross Angle, Rear, for Clean Grain Spout.....	18
S8868	Bracket, Front and Rear, on Top Cross Angles for Hopper (2 used).....	18
S8869	Brace, Hopper to Top Frame Angles (2 used).....	18
S8870	Lower Frame Angle, R. H.....	18
S8871	Lower Frame Angle, L. H.....	18
S8947	Support Bracket from L. H., Rear, Upright Angle on Recleaner to Separator Side Upright Angle.....	18
S8948	Angle Brace from Top Cross Angle, Rear, to Separator Top Sill.....	18
S8949	Flat Brace from Tailings Spout to Support Angle for Tailings Spout.....	18
S8983	Pan under Grain Hopper.....	18
S8985	Support Angle for Tailings Spout.....	18
S8990	Slide, Upper, for Shut-Off Door in Clean Grain Spout (2 used).....	18
S8991	Slide, Lower, for Shut-Off Door in Clean Grain Spout (2 used).....	18
S8992	Shut-Off Door in Clean Grain Spout.....	18
S8993	Cross Braces for Lower Frame Angles (2 used).....	18
S8994	Grain Distributors on Pan under Grain Hopper (4 used).....	18
S8997	Bracket, R. H., on Shoe Side for Cheat Screen.....	18
S8998	Bracket, L. H., on Shoe Side for Cheat Screen.....	18
S8999	Stiffener on Shoe Side Sheet for Sieve Rods (2 used).....	18
S9000	Tie Bolt for Shoe and Hanger Rod for Sieve (3 used).....	18
S9001	Guard Angle on Shoe Bottom for Clean Grain Spout.....	18
S9007	Deflector for Weed Seed Spout on Shoe Bottom (2 used).....	18
S9082	Hanger Strap for Tool Box Support Angle, R. H.....	18
S9083	Support Angle, R. H., for Tool Box.....	18
S9183	Support Angle on Top of Cleaner.....	18
S9184	Brace Angle from Clover Recleaner to Front Cross Angle on Top of Separator.....	18
S9185	Brace Angle from R. H. Top Frame Angle to Separator Side Angle, No. 1 from Rear.....	18
S9186	Angle Brace from R. H., Rear, Upright Angle to Separator Main Sill.....	18
S9245	Fan Drive Belt (2-1/2 x 4 Ply x 2-1/4 inches Long) (V-Type).....	18
S9585	Stiffener Angle on R. H. Shoe Side under Rear Hanger Arm Bracket.....	18
S9586	Stiffener Angle on L. H. Shoe Side under Rear Hanger Arm Bracket.....	18
S9587	Stiffener Plate on Rear End of R. H. Shoe Side Plate.....	18
S9588	Stiffener Plate on Rear End of L. H. Shoe Side Plate.....	18
S9594	Angle Brace from Middle of R. H. Lower Frame Angle to Separator Sill.....	18
S9595	Angle Brace from Front End of R. H. Frame Angle to Separator Sill.....	18

Catalog No.	DESCRIPTION	Plate
SOY BEAN ATTACHMENT (600 R.P.M. CYLINDER SPEED)		
AS2012	Shoe Sieve, 3/8-inch Rd. Hole (22-inch only)	
AS2013	Shoe Sieve, 3/8-inch Rd. Hole (28-inch only)	
AS2070	Splice for Separating Cylinder, Straw Walker and Shoe Drive Belt	
AS2071	Splice for Wind Stacker Drive Belt	
AS2072	Splice for Fan and Feeder Drive Belts 28-inch (Fan only 22-inch) (2 used 28-inch) (1 used 22-inch)	
AS2075	Splice for Feeder Drive Belt (22-inch only)	
AS2076	Adjusting Bracket, L. H., for Separating Cylinder, Straw Walker and Shoe Drive Belt Tightener Pulley Bracket Shaft	
S8807	Drive Pulley on L. H. End of Cylinder Shaft for Separating Cylinder, Straw Walker and Shoe (5-1/2-inch Face, 8-3/4-inch Diameter, 1-15/16-inch Bore)	
S8817	Bracket, R. H., for Separating Cylinder, Straw Walker and Shoe Drive Belt Tightener Pulley Bracket Shaft	
S8819	Lock Lever for Separating Cylinder, Straw Walker and Shoe Drive Belt Tightener Bracket	
S8821	Drive Pulley on Cylinder Shaft for Fan and Feeder (2 used) (4-1/2-inch Face, 12-inch Diameter, 1-15/16-inch Bore)	
S8827	Drive Pulley on L. H. End of Cylinder Shaft for Wind Stacker Fan (5-1/2-inch Face, 18-1/4-inch Diameter, 1-15/16-inch Bore)	
GARDEN SEED ATTACHMENT (825 R.P.M. CYLINDER SPEED)		
AS2004	Shoe, Sieve 5/32-inch Rd. Hole (for Radishes) (22-inch only)	
AS2005	Shoe, Sieve 5/32-inch Rd. Hole (for Radishes) (28-inch only)	
AS2018	Shoe, Sieve 7/32 x 1/8-inch Diamond Hole (for Garden Seed except Radishes) (22-inch only)	
AS2019	Shoe, Sieve 7/32 x 1/8-inch Diamond Hole (for Garden Seed except Radishes) (28-inch only)	
AS2067	Splice for Rear Beater and Straw Walker Drive Belt	
AS2068	Splice for Feeder Drive Belt (22-inch only)	
AS2069	Splice for (Fan Drive Belt 22-inch) for (Fan and Feeder Drive Belt 28-inch)	
S5427	Wind Stacker Drive Pulley on L. H. End of Cylinder Shaft (5-1/2-inch Face, 13-3/8-inch Diameter, 1-15/16-inch Bore)	
S5428	Drive Pulley for Fan and Feeder on R. H. End of Cylinder Shaft (4-1/2-inch Face, 8-inch Diameter, 1-15/16-inch Bore)	
S5433	Splice for Wind Stacker Drive Belt	
S8778	Rear Beater and Straw Walker Drive Pulley on R. H. End of Cylinder Shaft (5-1/2-inch Face, 6-3/8-inch Diameter, 1-15/16-inch Bore)	
CLOVER ATTACHMENT		
AS2006	Shoe, Sieve, 1/10-inch Rd. Hole (22-inch only)	
AS2007	Shoe, Sieve, 1/10-inch Rd. Hole (28-inch only)	
AS2078	Front and Rear Concave, Complete (2 used) (Three Row) (22-inch only)	19
AS2079	Front and Rear Concave, Complete (2 used) (Three Row) (28-inch only)	19
AS2080	Middle Concave, Complete (Three Row) (22-inch only)	
AS2081	Middle Concave, Complete (Three Row) (28-inch only)	
S407	Concave Tooth	19
S4126	Strap on Concave Teeth (22-inch only)	19
S4127	Pipe Spacer on Concave Teeth	19
S4131	Strap on Concave Teeth (28-inch only)	19
S8828	Concave Plate, only (22-inch only)	19
S8829	Concave Plate, only (28-inch only)	19
LESPEDEZA ATTACHMENT		
AS1582	Splice for Fan Drive Belt (4 x 4 Ply x 5-inch Long)	
AS2022	Cheat Screen in Bottom of Shoe 3/64-inch Rd. Hole (22-inch only)	
AS2023	Cheat Screen in Bottom of Shoe, 3/64-inch Rd. Hole (28-inch only)	
AS2272	Sieve, Complete for Recleaner 9/64-inch Rd. Hole	
AS2273	Sieve, Complete for Recleaner 7/64-inch Rd. Hole	
AS2274	Sieve, Complete for Recleaner 1/8-inch Rd. Hole	
AS2281	Sieve, Complete for Recleaner 3/64-inch Rd. Hole	
AS2537	Shoe Sieve 9/64-inch Rd. Hole (22-inch only)	
AS2538	Shoe Sieve 9/64-inch Rd. Hole (28-inch only)	
S646	Driven Pulley on R. H. End of Fan Shaft 16-inch Diameter, 4-5/8-inch Face, 1-1/4-inch Bore	
S9050	Wood Concave, 5-inch Wide (22-inch only)	
S9051	Wood Concave, 5-inch Wide (28-inch only)	
S9052	Wood Concave, 4-inch Wide (22-inch only)	
S9053	Wood Concave, 4-inch Wide (28-inch only)	

Catalog No.	DESCRIPTION	Plate
RICE ATTACHMENT (825 R.P.M. CYLINDER SPEED)		
AS2028	Cheat Screen in Bottom of Shoe, 1/12 x 1 1/2-inch Slots (22-inch only).....	
AS2029	Cheat Screen in Bottom of Shoe 1/12 x 1 1/2-inch Slots (28-inch only).....	
AS2030	Cheat Screen in Bottom of Shoe 1/14 x 1 1/2-inch Slots (22-inch only).....	
AS2031	Cheat Screen in Bottom of Shoe, 1/14 x 1 1/2-inch Slots (28-inch only).....	
AS2067	Splice for Rear Beater and Straw Walker Drive Belt (28-inch only).....	
AS2068	Splice for Feeder Drive Belt (22-inch only).....	
AS2069	Splice for (Fan Drive Belt 22-inch) for (Fan and Feeder Drive Belt 28-inch).....	
AS2493	Knife, Complete with Sections on Lower Feed Pans (3 used) (B4831 Sections) (28-inch only).....	
AS2639	Tailings Finger Bar on Chaffer in Rear End of Grain Pan (22-inch only).....	
AS2640	Tailings Finger Bar on Chaffer in Rear End of Grain Pan (28-inch only).....	
JD976	Front and Rear Wheels (4 used).....	
S5427	Wind Stacker Drive Pulley on L. H. End of Cylinder Shaft (5-1/2-inch Face, 13-3/8-inch Diameter, 1-15/16-inch Bore).....	
S5428	Drive Pulley for Fan on R. H. End of Cylinder Shaft (4-1/2-inch Face, 8-inch Diameter, 1-15/16-inch Bore).....	
S5433	Splice for Wind Stacker Drive Belt.....	
S8778	Rear Beater and Straw Walker Drive Pulley on R. H. End of Cylinder Shaft (5-1/2-inch Face, 6-3/8-inch Diameter, 1-15/16-inch Bore).....	
S8812	Drive Pulley for Feeder on R. H. End of Cylinder Shaft (4-1/2-inch Face, 7-1/2-inch Diameter, 1-15/16-inch Bore).....	
S9534	Belting on R. and L. H. Feeder Knife Arm Support Angle, Wood Filler Blocks (2 used).....	
S9535	Belting on Middle Feeder Knife Arm Support Angle Wood Filler Block.....	
S9543	Wood Filler Block between Feeder Knife Arm Support Angle (3 used).....	
PEA AND BEAN ATTACHMENT		
AS1559	Dirt Screen on Bottom of Clean Grain Elevator.....	
AS1560	Dirt Screen for Lower End of Tailings Elevator.....	
AS2012	Shoe Sieve, 3/8-inch Rd. Hole (Soy Beans) (22-inch only).....	
AS2013	Shoe Sieve, 3/8-inch Rd. Hole (Soy Beans) (28-inch only).....	
AS2014	Shoe Sieve, 7/16-inch Rd. Hole (Navy Beans) (22-inch only).....	
AS2015	Shoe Sieve, 7/16-inch Rd. Hole (Navy Beans) (28-inch only).....	
AS2016	Shoe Sieve, 9/16-inch Rd. Hole (Pea and Bean) (22-inch only).....	
AS2017	Shoe Sieve, 9/16-inch Rd. Hole (Pea and Bean) (28-inch only).....	
AS2026	Cheat Screen in Bottom of Shoe, 1/8 x 3/4-inch Slots (Beans) (22-inch only).....	
AS2027	Cheat Screen in Bottom of Shoe, 1/8 x 3/4-inch Slots (Beans) (28-inch only).....	
AS2409	Dirt Screen in Bottom of Grain Pan (22-inch only).....	
AS2410	Dirt Screen in Bottom of Grain Pan (28-inch only).....	
AS2611	Bottom for Opening in Grain Pan (22-inch only).....	
AS2612	Bottom for Opening in Grain Pan (28-inch only).....	
S9448	Board on Bottom of Grain Pan (22-inch only).....	
S9449	Board on Bottom of Grain Pan (28-inch only).....	
S9450	Grain Pan Bottom, Front (22-inch only).....	
S9451	Grain Pan Bottom, Front (28-inch only).....	
S9452	Grain Pan Bottom, Rear (22-inch only).....	
S9453	Grain Pan Bottom, Rear (28-inch only).....	
S9454	Rear Support for Dirt Screen on Bottom of Grain Pan (22-inch only).....	
S9455	Rear Support for Dirt Screen on Bottom of Grain Pan (28-inch only).....	
S9464	Seal, Front, for Grain Pan Dirt Screen and Bottom for Opening (22-inch only).....	
S9465	Seal, Front, for Grain Pan Dirt Screen and Bottom for Opening (28-inch only).....	
S9466	Spacer for Side Seals on Grain Pan Dirt Screen and Bottom for Opening (2 used).....	
S9467	Side Seal, R. H., for Grain Pan Dirt Screen and Bottom for Opening.....	
S9468	Side Seal, L. H., for Grain Pan Dirt Screen and Bottom for Opening.....	
S9469	Deflector Shield on Bottom of Dirt Screen (22-inch only).....	
S9470	Deflector Shield on Bottom of Dirt Screen (28-inch only).....	
SLOW SPEED COUNTERSHAFT (TO REDUCE SPEED OF CYLINDER TO 300, 394, OR 600 R.P.M.)		
AS2252	Support Angle, R. H., for Countershaft.....	20
AS2253	Support Angle, L. H., for Countershaft.....	
AS2254	Shaft with Inner Guide for Engine Drive Belt Idler Pulley.....	
AS2255	Support Pipe on Separator for Engine Belt Reel (22-inch only).....	
AS2256	Support Pipe on Separator for Engine Belt Reel (28-inch only).....	
AS2257	Shield for Cylinder Drive Chain.....	

Catalog No.	DESCRIPTION	Plate
SLOW SPEED COUNTERSHAFT (TO REDUCE SPEED OF CYLINDER TO 300, 394, OR 600 R.P.M.)—Continued		
AS2259	Feeder Drive Belt (3-1/2-inch x 4-Ply x 127 inches).....	
AS2260	Splice for Wind Stacker Drive Belt.....	
AS2261	Splice for Fan Belt.....	
AS2262	Splice for Separating Cylinder Straw Walker and Shoe Drive Belt.....	
AS2427	Fan Shaft (22-inch only).....	
AS2429	Fan Shaft (28-inch only).....	
J4215	Roller Chain Link, 1-inch Pitch.....	20
J4216	Roller Chain Link Connection, 1-inch Pitch.....	20
J4217	Offset End Link, 1-inch Pitch.....	20
P72	Tightener Sprocket for Cylinder Drive Chain.....	20
P113	Housing for Countershaft Roller Bearing (2 used).....	20
P1871	Stud for Cylinder Drive Chain Tightener Sprocket.....	
P3126	Roller Bearing for Cylinder Drive Chain Tightener Sprocket.....	20
P3178	Sand Collar, Outer, for Cylinder Drive Chain Tightener Sprocket.....	20
P6432	Sand Collar, Inner, for Cylinder Drive Chain Tightener Sprocket.....	20
P19362	Lock Strap for Countershaft Bearing Housing Bracket Boltheads (2 used).....	20
S420	Driven Sprocket on Cylinder Shaft (22 Teeth) (600 R.P.M.).....	20
S421	Driven Sprocket on Cylinder Shaft (44 Teeth) (300 R.P.M.).....	20
S486	Driven Sprocket on Cylinder Shaft (32 Teeth) (394 R.P.M.).....	20
S578	Cap, R. H., for Countershaft Bearing Housing (2 used).....	20
S579	Cap, L. H., for Countershaft Bearing Housing (2 used).....	20
S581	Clamp Collar on R. H. End of Countershaft.....	20
S620	Clamp Collar on Countershaft at Inner Side of Bearings (2 used).....	
S4368	Felt Washer for Countershaft Bearing Housing Caps (4 used).....	20
S5183	Bolt for Countershaft Roller Bearing Housing (4 used).....	20
S8380	Countershaft (22-inch only).....	20
S8381	Countershaft (28-inch only).....	20
S8883	Tie Rod for Countershaft Support Angles (22-inch only).....	20
S8884	Tie Rod for Countershaft Support Angles (28-inch only).....	20
S8885	Pipe Spacer on Tie Rod for Countershaft (22-inch only).....	
S8886	Pipe Spacer on Tie Rod for Countershaft (28-inch only).....	
S8887	Diagonal Brace Angle for Countershaft Support Angles (22-inch only).....	20
S8888	Diagonal Brace Angle for Countershaft Support Angles (28-inch only).....	20
S8889	Angle Brace, R. H., from Countershaft Support Angle to Front Wheel Turntable (22-inch only).....	20
S8890	Angle Brace, L. H., from Countershaft Support Angle to Front Wheel Turntable (22-inch only).....	20
S8891	Angle Brace, R. H., from Countershaft Support Angle to Front Wheel Turntable (28-inch only).....	20
S8892	Angle Brace, L. H., from Countershaft Support Angle to Front Wheel Turntable (28-inch only).....	20
S8893	Angle Brace, R. H., for Engine Belt Idler Pulley (22-inch only).....	20
S8894	Angle Brace, R. H., for Engine Belt Idler Pulley (28-inch only).....	20
S8895	Angle Brace, L. H., for Engine Belt Idler Pulley.....	20
S8896	Adjusting Rod for Engine Belt Idler Pulley.....	
S8897	Bracket for Engine Belt Idler Pulley Adjusting Rod.....	20
S8898	Pipe Spacer for Idler Bracket (2 used).....	
S8910	Driven Sprocket on Cylinder Shaft (12 Teeth) (1050 R.P.M.).....	
S8911	Cylinder Drive Chain Tightener Bracket.....	20
S8912	Cylinder Drive Chain (74 Links, 1-inch Pitch, Roller Chain) (order 1-AJ2765, 2-AJ2767, 2-J4215, 1-J4216, and 1-J4217).....	
S8919	Bracket, Front for Cylinder Drive Chain Shield.....	20
S8920	Bracket, Rear, Upper, for Cylinder Drive Chain Shield.....	20
S8921	Bracket, Rear, Lower, for Cylinder Drive Chain Shield.....	20
S9031	Key for Countershaft Drive Chain Sprockets (7/16 x 7/16 x 3 inches).....	
PNEUMATIC TIRE WHEEL EQUIPMENT		
4306SC	Rim Lugs.....	21
1B4444	Nut for Stub Axle (4 used).....	21
AS1995	Stub Axle, Front (2 used).....	21
AS1998	Stub Axle, Rear.....	21
JD7359	Roller Bearing, Complete for Wheels (less Cup) (Cup JD7400) (Timken No. 3189) (8 used).....	21
JD7400	Cup for JD7359 Bearing in Wheels (Timken No. 453A) (8 used).....	21
P18851	Lock Washer for Lug Bolt.....	21
P18852	Lug Bolt, 1/2 x 3 inches.....	21
P18981	Nut for Lug Bolt.....	21
P20252	Snap Ring for Bearing on Axle (8 used).....	21

Catalog No.	DESCRIPTION	Plate
PNEUMATIC TIRE WHEEL EQUIPMENT—Continued		
P20253	Oil Retainer on Axle (4 used) (Rawhide No. 4253)	21
P20785	Tire Rim for Main Wheels (4 used)	21
P20795	Cap for Wheels (4 used)	21
S602	Front Wheels (2 used)	21
S643	Rear Wheels (2 used)	21
S8641	Thrust Washer on Axle (4 used)	21
S9637	Spacer for Bearings in Rear Wheels (2 used)	21
TRAILER HITCH FOR 28-INCH THRESHER		
AS2258	Pull Chain, Complete with Front Bracket and Rod	
S8757	Adjustable Brace Rod from Front Angle Support to Cross Angle on Separator	
S8758	Clamp for Hitch Rod	
S8761	Angle Support, Front, on Separator for Hitch Rod	
S8762	Angle Support, Rear, on Separator for Hitch Rod	
BRAKE FOR STEEL WHEELS		
AS2266	Brake Lever	
AS2590	Support Angle, L. H., on Separator Sill for Brake Hanger Rods	
AS2591	Support Angle, R. H., on Separator Sill for Brake Hanger Rods	
S4089	Brake Shoe (2 used)	
S5687	Pin for Brake Beam Hanger Eyebolts and Pivot Bar (6 used) (5/8 x 1-3/4-inch Drilled)	
S8958	Hanger Eyebolt, Upper, for Brake Beam (2 used)	
S8959	Hanger Eyebolt, Lower, for Brake Beam (2 used)	
S8962	Link, Upper, on Pivot Bar	
S8963	Link, Lower, on Pivot Bar	
S8966	Eyebolt from Brake Beam to Link on Pivot Bar	
S8969	Spacer between Brake Lever Ratchet Bracket and Separator Upright Angle	
S9712	Pivot Bar from Hand Lever to Brackets on Separator (22-inch only)	
S9713	Pivot Bar from Hand Lever to Brackets on Separator (28-inch only)	
S9714	Bracket, Upper, on Separator for Pivot Bar	
S9715	Bracket, Lower, on Separator for Pivot Bar	
S9723	Brake Beam (28-inch only)	
S9724	Brake Beam (22-inch only)	
HAND FEEDER		
AS2603	Door in Front of Cylinder (22-inch only)	
AS2604	Door in Front of Cylinder (28-inch only)	
HZ5621	Spring for Door in Front of Cylinder Latch Pin (2 used)	
S4027	Eyebolt through Platform for Hanger Rod (2 used)	
S4038	Board for Platform, Nos. 3 and 4 from Front (2 used)	
S4040	Rear Board for Platform	
S5470	Board for Platform, Front and No. 1 from Front (2 used)	
S5471	Board for Platform, takes Eyebolt for Hanger Rod	
S5472	Truss Board under Platform (2 used)	
S5473	Cross Sill Board under Platform (2 used)	
S5474	Bracket for Truss Board (4 used)	
S5494	Front Angle for Cylinder Hopper and Inside Tables (22-inch only)	
S5495	Front Angle for Cylinder Hopper and Inside Tables (28-inch only)	
S5496	Rear Angle for Inner Tables (22-inch only)	
S5497	Rear Angles for Inner Tables (28-inch only)	
S5498	Tie Angle under Feeder Tables (2 used)	
S5499	Plate for Table, R. H., Inner	
S5500	Support Angle for R. H. Outer Table Plate	
S5501	Plate for Outer Tables (2 used)	
S5593	Hook-up Eyebolt for Platform when Transporting (4 used)	
S5608	Hinge Pin for Tables (4 used) (3/8 x 3/4-inch)	
S5611	Plate for Table, L. H., Inner	
S5616	Hinge Strap on Front of Tables (2 used)	
S5898	Hanger Rod, Complete with Chain (2 used)	
S6700	Handle on Cylinder Hopper Bottom Plate (2 used)	
S7369	Bracket for Latch Pin on Door in Front of Cylinder (2 used)	
S7370	Latch Pin for Door in Front of Cylinder (2 used)	
S8968	Brace for Plate in Front of Cylinder (2 used)	

Catalog No.	DESCRIPTION	Plate
HAND FEEDER—Continued		
S9268	Angles on Separator for Platform Support Angles (2 used).....	
S9269	Platform Support Angle, R. H. (28-inch only).....	
S9270	Platform Support Angle, L. H. (28-inch only).....	
S9271	Cross Braces for Platform Support Angles (2 used) (28-inch only).....	
S9272	Platform Support Angle, R. H. (22-inch only).....	
S9273	Platform Support Angle, L. H. (22-inch only).....	
S9274	Cross Braces for Platform Support Angles (2 used) (22-inch only).....	
S9333	Support Plate for Brace, L. H. Cylinder Hopper Top Angle to Front of Separator.....	
S9341	Pipe Brace, R. H., Cylinder Hopper Top Angle to Front of Separator (22-inch only).....	
S9342	Pipe Brace, L. H., Cylinder Hopper Top Angle to Front of Separator (22-inch only).....	
S9343	Pipe Brace, R. H., Cylinder Hopper Top Angle to Front of Separator (28-inch only).....	
S9344	Pipe Brace, L. H., Cylinder Hopper Top Angle to Front of Separator (28-inch only).....	
S9345	Pipe Brace from Cylinder Hopper Top Angle to Front of Separator (Used with slow speed Counter-shaft).....	
S9346	Round Brace for Support Plate for Cylinder Hopper Top Angle to Front of Separator Brace, L. H. (22-inch only).....	
S9347	Round Brace for Support Plate for Cylinder Hopper Top Angle to Front of Separator Brace, L. H. (28-inch only).....	
S9348	Rear Support Angle for Cylinder Hopper Side Sheet, R. H.....	
S9349	Rear Support Angle for Cylinder Hopper Side Sheet, L. H.....	
S9350	Corner Gusset for Cylinder Hopper Side Sheet Rear Support Angle, R. H.....	
S9351	Corner Gusset for Cylinder Hopper Side Sheet Rear Support Angle, L. H.....	
S9352	Cylinder Hopper Top Sheet (22-inch only).....	
S9353	Cylinder Hopper Top Sheet (28-inch only).....	
S9354	Cylinder Hopper Side Sheet, R. H.....	
S9355	Cylinder Hopper Side Sheet, L. H.....	
S9356	Cylinder House Side Sheet, R. H.....	
S9357	Cylinder House Side Sheet, L. H.....	
S9358	Clip for Tailings Elevator Spout.....	
S9359	Cylinder Hopper Top Angle, R. H.....	
S9360	Cylinder Hopper Top Angle, L. H.....	
S9361	Stiffener Angles for Cylinder Hopper Bottom (2 used).....	
S9362	Cylinder Hopper Bottom (28-inch only).....	
S9363	Cylinder Hopper Bottom (22-inch only).....	
S9369	Spout from Tailings Elevator to Cylinder Hopper.....	
COMMON STRAW STACKER		
AS2365	Rest for Stacker on Top of Separator (22-inch only).....	
AS2366	Straw Stacker Drive Belt (Length 107 inches).....	
AS2375	Raising Shaft, Complete (22-inch only).....	
AS2377	Rest for Stacker on Top of Separator (28-inch only).....	
AS2393	Raising Shaft, Complete (28-inch only).....	
AS2507	Box for Drive Shaft (2 used) (S629 Complete).....	
AS2568	Rear Hood, Complete (22-inch only).....	
AS2569	Rear Hood, Complete (28-inch only).....	
AS2570	Conveyor Chain, Complete (28-inch only).....	
HZ5870	Spring for Conveyor Tightener Bolt (2 used).....	22
P761	Bronze Bearings in Drive Roller Boxes (3 used).....	22
P4583	Webbage Strap Buckle, Complete (3 used).....	22
P6693	Conveyor Idler Roller, Complete (3 used).....	22
P8337	Spring for Raising Ratchet.....	22
P10997	Tightener Bolt for Conveyor (2 used).....	
P10999	Conveyor Buckle Strap (3 used).....	
S74	Drive Pulley on L. H. End of Conveyor Drive Shaft (10-3/8-inch Diameter, 2-1/2-inch Face, 7/8-inch Bore).....	
S411	Ratchet for Raising Shaft.....	22
S412	Pawl for Raising Shaft Ratchet.....	
S413	Cable Sheave on Raising Shaft (2 used).....	22
S629	Box for Drive Shaft (2 used) (Order AS2507).....	
S5756	Webbage Strap for Conveyor (3 used).....	
S5758	Idler Shaft in Upper End of Elevator (22-inch only).....	
S5759	Bottom Board, Lower, Middle (4 used).....	
S5760	Bottom Board, Upper, Middle.....	

Catalog No.	DESCRIPTION	Plate
COMMON STRAW STACKER—Continued		
S5761	Bottom Board, Lower, Outer R. H.	
S5762	Bottom Board, Upper, Outer L. H.	
S5764	Support for Ratchet Pawl	22
S5766	Slat for Straw Stacker (25 used) (22-inch only)	
S5769	Reinforcing Strip for Straw Stacker Slat (75 used)	22
S5774	Bottom Board, Upper, Middle (4 used)	
S5775	Elevator Hinge Plate (2 used)	22
S5776	Sideboard, Lower, R. H.	
S5777	Cross Sill (5 used) (22-inch only)	22
S5778	Bottom Board, Lower, Middle	
S5781	Raising Shaft Crank Handle	
S5783	Ratchet Pawl Pin	
S5784	Hinge, Outer (2 used)	22
S5786	Trunnion for Raising Shaft Crank Handle	
S5787	Side Stiffener for Cable (2 used)	22
S5790	Raising Crank	22
S5791	Upper Shaft Bearing Plate (2 used)	22
S5801	Sideboard, Upper, R. H.	
S5802	Straw Carrier Hinge Inside (2 used)	22
S5809	Sideboard, Upper, L. H.	
S5810	Retaining Clip for Elevator Side (8 used)	22
S5811	Supporting Strap for Elevator Side (4 used)	22
S5812	Sideboard, Lower, L. H.	
S5813	Sideboard Extension (2 used)	
S5814	Elevator Hoist Cable	
S5815	Bottom Board, Upper, Outer R. H.	
S5816	Bottom Board, Lower, Outer L. H.	
S5817	Conveyor Chain, Complete (22-inch only)	
S5824	Elevator Hinge Hook Bolt (2 used)	22
S5975	Extension Sideboard Bracket (4 used)	
S5976	Extension Sideboard (2 used)	
S7841	Wearing Plate on Stacker Side Sill when on Rest on Top of Separator (2 used)	
S8245	Cross Sill, Lower (22-inch only)	
S9241	Stiffener for Rear Hood Side Angles (2 used)	
S9302	Support Bracket, R. H.	
S9303	Support Bracket, L. H.	
S9304	Conveyor Drive Shaft (22-inch only)	
S9305	Side Angle, R. H., for Rear Hood	
S9306	Side Angle, L. H., for Rear Hood	
S9307	Top, Rear Angle for Rear Hood (28-inch only)	
S9309	Front Angle for Rear Hood (28-inch only)	
S9320	Slide Angle, R. H., on Rear Hood for Straw Stacker	
S9321	Slide Angle, L. H., on Rear Hood for Straw Stacker	
S9322	Shoe Extension (28-inch only)	
S9324	Shoe Extension (22-inch only)	
S9326	Front Angle for Rear Hood (22-inch only)	
S9328	Top, Rear Angle for Rear Hood (28-inch only)	
S9329	Elevator Hinge Side Plate, R. H.	
S9330	Elevator Hinge Side Plate, L. H.	
S9334	Raising Shaft Bearing for Elevator (3 used)	
S9406	Idler Shaft in Upper End of Elevator	
S9407	Conveyor Drive Shaft (28-inch only)	
S9408	Cross Sill (5 used) (28-inch only)	
S9409	Cross Sill, Lower (28-inch only)	
S9410	Slat for Straw Stacker (25 used) (28-inch only)	
S9411	Bottom Board, Lower (Next to outside) (2 used) (28-inch only)	
S9412	Bottom Board, Upper (Next to outside) (2 used) (28-inch only)	
HART WEIGHER AND CLEAN GRAIN AUGER		
15	Pitman (Slotted) for Head Cut-Off Valve, all Registers (Mall.)	23
15C	Pitman (Slotted) for Head Cut-off Valve, with No. 8159 Rod, Hart Perfection Registers	23
31	T-Wrench (Mall.)	23
129	Clamp for Trip Crank, all Registers (Mall.)	23

Catalog No.	DESCRIPTION	Plate
HART WEIGHER AND CLEAN GRAIN AUGER—Continued		
351	Pitman Screw Casting only, no Rod, for Registering Hopper Valve, all Registers.....	23
351C	Pitman Screw Casting and No. 8317 Rod, for Registering Hopper Valve, all Hart Perfection Registers.....	23
503	Case for Tally Box, for Head of all Registers.....	23
503C	Tally Box (Register) Complete with 503 Case, 510, 511, 512 Tally Wheels, 897 Worm, 910 Lid and 1416 Shaft Assembled.....	23
510	Wheel (Units) for Tally Box, all Registers.....	23
511	Wheel (Tens) for Tally Box, all Registers.....	23
512	Wheel (Hundreds) for Tally Box, all Registers.....	23
564	Spring in Trip for 2824, 7 Coils x 11/16-inch O.D. x 1-1/2-inch long, all Registers.....	23
569	Collar for 7/8-inch Countershaft, Hart Perfection, Registers and Loaders (2 used on Perfection No. 3 and 13).....	23
624	Bar (Graduated) for Scale Beam Yoke, all Registers (Mall.).....	23
748C	Weight, Complete with 748-1/2, all Registers.....	23
897	Worm and 6-Tooth Sprocket Combined for Tally Box, all Registers.....	23
901	Lid for Tally Box, all Registers.....	23
1048	Head (Large Half) 9-inches for Wagon Spout, Hart Perfection Registers and Loaders.....	23
1048C	Head (9-inch) for Wagon Spout, Complete with 2-2845 Lugs, 1-8324 Rod and 1-8325 Link, Hart Perfection Registers and Loaders.....	23
1049	Head (Small Half) 9 inches for Wagon Spout, Hart Perfection Registers and Loaders.....	23
1113	7/8 x 12-inch Head Shaft, Hart Perfection No. 11 and 12 Loaders.....	23
1118	7/8 x 16-inch Countershaft, Hart Perfection No. 1, 2, 11 and 12.....	23
1130	7/8 x 15-inch Head Shaft, Hart Perfection Registers and No. 13 Loaders.....	23
1136	7/8 x 20-inch Countershaft, Hart Perfection No. 3 and 13.....	23
1137	5/8 x 11-1/4-inch for 2699 Hart Perfection Registers.....	23
1137C	Trip, Complete (less 1417 Pin) for all Registers Consisting of 1-2699 with 1137 Shaft, 1-2824 Gear, 1-129 Clamp, 1-564 Spring and 1-2037 Sprocket Assembled.....	23
1141	13/16 x 16-inch (Plain) Auger Shaft, Hart Perfection No. 2 and 12.....	23
1145	3/8 x 1-5/8-inch Pin for 2022 (4 used).....	23
1309	Door, Bottom, Hart Perfection Registers and Loaders (11-3/8-inch Diameter) Perfection Steel Elevators.....	23
1338	Fork Keeper for Journals (works with 2104, 2105) (2 used 2-1/4 x 2-5/8 inches).....	23
1354	Hood, Outer End of Conveyor, Hart Perfection No. 2 and 12 (6-1/8 x 14-5/8 inches).....	23
1356C	Tube or Housing for Conveyor Auger for Perfection No. 2 and 12, 8-ft. Conveyors (give Serial No. and length).....	23
1357C	Hopper, Complete with 1372 Flange at Rear End of Conveyor, Hart Perfection No. 2 and 12.....	23
1416	1/2 x 5-1/8 inches for 897, all Registers.....	23
1417	Pin for Trip 5/16 inches Square x 3-1/2 inches, all Registers (works with 2773).....	23
1744	Rest for 624 Bar, 1/4 x 1 x 13-1/2 inches, Hart Perfection Registers.....	23
1782	Rod Support for 6- or 8-ft. No. 2 and 12 Conveyors (Specify length wanted) 3/8 x 65-3/4 and 87-1/2 inches.....	23
1946C	Auger Assembled on 1945 Pipe with 2-2426 Collars for 8-ft Perfection No. 2 and 12 Conveyors (give Serial No. and length).....	23
1961C	Auger Assembled on 1965 Pipe with 2-2426 Collars for 9-ft. Perfection No. 1 and 11 Conveyors (give Serial No. and length).....	23
1973	Ferrule on Bolt in 2247 and 2420, 3/4-inch long x 1/2-inch Hole (2 used).....	23
1994C	Auger Assembled on 1995 Pipe with 2-A124 Collars for Perfection No. 3 and 13 No. 70 Stationary Conveyors (give Serial No. and length).....	23
2022	Beam Yoke for Scale Beam Bar, all Registers.....	23
2037	Crank Sprocket for Tally Box, 6-Tooth, all Registers (Mall.).....	23
2104	Journal (Self-Aligning) for Head, Crank Side, Right, Hart Perfection Registers.....	23
2105	Journal (Self-Aligning) for Head, Trip Side, Left, Hart Perfection Registers and Hart Perfection Loaders.....	23
2165	Gear (29-Tooth Bevel) on Auger Shaft, Hart Perfection No. 2 and 12.....	23
2166A	Gear (29-Tooth Bevel) on Vertical Shaft in Gearing, Hart Perfection No. 2 and 12.....	23
2166AC	Gearing Assembly to Drive Conveyor for Hart Perfection No. 2 and 12 with Swinging Conveyor Consisting of 1 No. 2166A, 1 No. 2282, 1 No. 2279, 1 No. 2276, 2 No. 2275, 1 No. 8300 Shaft, 1 No. 8217 Shaft, 2 No. 2250, 2 No. 1973, 1 No. 8284C, 1 No. 8454C Assembled.....	23
2173	Bearing on Auger, Outer End Conveyors (Mall.) Hart Perfection No. 2 and 12.....	23
2175	Ring for Swivel Support Head Conveyors (Mall.) Hart Perfection No. 2 and 12.....	23
2176	Throat Casting for Conveyors (Mall.) Hart Perfection No. 2 and 12.....	23
2178	Fastening Casting for Conveyor Hopper (R. H.) Conveyor (Mall.) Hart Perfection No. 2 and 12....	23
2179	Fastening Casting on Conveyor Hopper (L. H.) Conveyor (Mall.) Hart Perfection No. 2 and 12....	23

Catalog No.	DESCRIPTION	Plate
HART WEIGHER AND CLEAN GRAIN AUGER—Continued		
2222A	Side Head Casting, R. H., Hart Perfection Registers.....	23
2223A	Side Head Casting, L. H., Hart Perfection Registers.....	23
2234	Filler Block in Bottom Reinforcement Angle and 2272 Casting, Hart Perfection Registers and Loaders.....	23
2235	Gear (17-Tooth Bevel) on Auger Shaft, Hart Perfection No. 1 and 11.....	23
2236	Gear (17-Tooth Bevel) on Vertical Gear Shaft and Conveyor Idler Shaft, Hart Perfection No. 1 and 11 (2 used).....	23
2236C	Gearing Assembled to Drive Conveyor for Hart Perfection No. 1 and 11 with Tilting Swinging Conveyor Consisting of: 1-2236, 1-2282, 1-2279, 1-2276, 2-2275, 1-8300 Shaft, 1-8217 Shaft, 2-2250, 2-1973, 1-8284C, 1-8454C Assembled.....	23
2241	Sprocket for Inside Bottom of Hart Perfection Registers and Loaders, 10-Tooth, 57/64-inch Bore, No. 45 Chain.....	23
2247	Base Casting and Journal for Conveyor, Hart Perfection No. 1 and 11.....	23
2250	Gear (14-Tooth Mitre) on Horizontal and Vertical Shaft in Gearing, Hart Perfection No. 1, 2, 11, and 12 (2 used).....	23
2272	Frame, Bottom of Elevator Leg, Hart Perfection Registers and Loaders (Mall.).....	23
2275	Bearing on Horizontal Gear Shaft in Gearing, Hart Perfection No. 1, 11, 2 and 12 (2 used).....	23
2276	Sleeve Bearing for Conveyor Gearing, Hart Perfection, No. 1 and 11, 2 and 12.....	23
2279	Cap for 2282 Bracket, Hart Perfection No. 1, 11, 2 and 12 (Mall.).....	23
2282	Bracket for Conveyor Drive Gearing, Hart Perfection No. 1, 2, 11 and 12 (Mall.).....	23
2283	Pivot on Registering Hopper for Valve Hinges, all Registers (2 used) (Mall.).....	23
2284	Hinge, R. H., for Registering Hopper Valve, all Registers (Mall.).....	23
2285	Hinge, L. H., for Registering Hopper Valve, all Registers (Mall.).....	23
2286	Base and Nozzle Casting, Inner End of Conveyor, Hart Perfection No. 3 and 13.....	23
2287	Holder for Bearing 2288 Hart Perfection No. 3 and 13.....	23
2288	Bearing for Bevel Gear and Sprocket, Hart Perfection No. 3 and 13 Conveyors (2 used).....	23
2291	Gear (12-Tooth Bevel) and Sprocket (8-Tooth) Hart Perfection No. 3 and 13 Conveyors (2 used).....	23
2292	Pinion (10-Tooth Bevel) Hart Perfection No. 3 and 13 Conveyors.....	23
2362	Button for Bottom Door, Hart Perfection Registers and Loaders (3 used).....	23
2401	Clutch on Auger Shaft, Hart Perfection No. 3 and 13 (2 used).....	23
2403	Knob for Shifting Auger, Hart Perfection No. 3 and 13 (2 used).....	23
2409	Nozzle Casting for Spout, Outer End of Conveyor, Hart Perfection No. 1, 11, 3 and 13.....	23
2412	Bearing for Auger Shaft, Outer End, Hart Perfection No. 3 and 13.....	23
2419	Bearing for Auger Shaft, Outer End, Hart Perfection No. 1 and 11.....	23
2420	Base Casting and Journal for Conveyor, Hart Perfection No. 2 and 12.....	23
2424	Support for Journal, R. H., Hart Perfection Loaders.....	23
2425	Support for Journal, L. H., Hart Perfection Loaders.....	23
2426	Collar, R. H., for Fastening Flighting to Auger Pipe, Hart Perfection No. 1, 2, 11 and 12 (2 used) (Mall.).....	23
2563	Pinion (12-Tooth) for Trip, Hart Perfection Registers.....	23
2699	Crank on Trip, all Registers (Mall.).....	23
2699C	Crank on Trip Assembled with Shaft No. 1137, all Registers.....	23
2746	Sprocket for Inside Top of Hart Perfection Registers and Loaders, 7-Tooth, 7/8-inch Bore, No. 45 Chain.....	23
2747	Pulley on Countershaft, Hart Perfection Register and Loaders (9-3/4-inch Diameter, 3-1/4-inch Face, 7/8-inch Bore).....	23
2773	Stop Block for Trip, all Registers.....	23
2800	Spring for Cut-Off Valve on Head of Registers, 24 Coils x 7/8-inch O.D. x 2-1/2-inch long, Hart Perfection.....	23
2813	Bearing (Universal) for Countershaft, Hart Perfection Registers and Loaders (2 used).....	23
2814	Bracket for 2813 Countershaft Bearing, Hart Perfection Elevators (2 used) (Mall.).....	23
2824	Gear (Multilated 47-Tooth) for Trip, all Registers.....	23
2845	Lug in 1048C Spout Head, also Cut-Off Valve Arm for Hart Perfection Registers (3 and 5 used).....	23
3165	Pulley on Beater Shaft to Drive Hart Perfection Registers and Loaders (1-1/4-inch Bore, 5-3/4-inch Diameter, 3-1/4-inch Face).....	23
3166	Boot Casting to Attach Bottom of Hart Perfection Registers and Loaders to Separator.....	23
8021	Bar (Straight) for Countershaft Hart Perfection Registers and Loaders (Except No. 13) 3/8 x 1-1/4 x 18 inches (2 used).....	23
8117C	Frame, Complete with 8118 Angle, Bottom of Hart Perfection Registers and Loaders (2 used).....	23
8119	Bracket and Chain Tightener at Bottom of Hart Perfection Registers and Loaders (2-inch Channel x 17 inches long).....	23
8119C	Bracket and Chain Tightener, Complete with 8912C Sleeve, Bottom of Hart Perfection Registers and Loaders.....	23

Catalog No.	DESCRIPTION	Plate
HART WEIGHER AND CLEAN GRAIN AUGER—Continued		
8134	Clamp Bar for Hanger Pipe, Hart Perfection, Registers and Loaders (1/4 x 1-1/4 x 5-1/2 inches) . . .	
8136	Arm, R. H., for Cut-Off Valve on Head, Hart Perfection Registers and Loaders (3/16 x 1-1/4 x 6 inches) . . .	23
8137	Arm, L. H., for Cut-Off Valve on Head, Hart Perfection Registers (3/16 x 1-1/4 x 7-3/8 inches) . . .	23
8155	Support on Leg for Trip Bar, Hart Perfection Registers (1/4 x 1 x 5-1/8 inches) . . .	23
8159	Rod for No. 15 Pitman on Cut-Off Valve, Hart Perfection Registers (3/8 x 6-1/2 inches long) . . .	
8202	Plate on Leg for Countershaft Bars, Hart Perfection Registers and Loaders (2 used) (1/8 x 2-7/8 x 7-3/4 inches) . . .	
8203C	Connection on Head of Hart Perfection Registers Assembled with 8204 Brace for Conveyor Support Rod (1/8 x 2-3/4 inches wide x 7-1/8 x 7-1/2 inches long) . . .	
8205	Connection Receiving Hopper to Elevator, Hart Perfection No. 2, (1/8 x 3/4 x 9-3/4 inches) . . .	
8208	13/16 x 10-inch Auger Stub Shaft (Drilled) Hart Perfection No. 1 and 11 . . .	
8210	7/8 x 4-inch Conveyor Idler Gear Stud with Washer for 2236 Hart Perfection No. 1 and 11 . . .	
8217	7/8 x 12-1/4-inch Horizontal Gear Shaft (Drilled) Hart Perfection No. 1, 11, 2 and 12 . . .	23
8222	Brace R. H., Receiving Hopper to Elevator, Hart Perfection No. 1 (1/8 x 3/4 x 7-3/8 inches) . . .	
8223	Brace, L. H., Receiving Hopper to Elevator, Hart Perfection No. 1 (1/8 x 3/4 x 7-3/8 inches) . . .	
8284C	Bracket Support Angle, Upper, Complete with 8583 Plate for Conveyor Drive Gearing, Hart Perfection No. 1, 2, 11 and 12 (1-inch Angle, 11 inches long, 6-1/2 inches wide) . . .	23
8300	7/8 x 8-1/2-inch Vertical Gear Shaft (Drilled) Hart Perfection No. 1, 11, 2 and 12 . . .	23
8314	Bracket Hanger, Inside, Registering Hopper, all Registers (1/4 x 1 x 5-1/2 inches) (2 used) . . .	
8315	Link, Registering Hopper to Elevator, Hart Perfection Registers (3/16 x 3/4 x 2-15/16 inches) . . .	
8316	Bar with 2773 Trip Stop Block, Hart Perfection Registers (3/4 x 1/4 x 9-1/4 inches) . . .	23
8317	Rod for No. 351 Pitman on Registering Hopper, Hart Perfection Registers (7/16 x 8-3/4 inches long) . . .	
8324	Rod in 1048C Head Supporting Wagon Spout (3/16 x 22-1/4 inches) . . .	23
8325	Link in 1048C Head Supporting Wagon Spout (3/16 x 8-5/8 inches) . . .	23
8333C	Frame Angle on Head with 8355 Support Rod Plate, Hart Perfection No. 11 and 12 (1 x 1 x 46-1/4 inches and 2-1/2 x 3-3/4 inches) . . .	
8336	Shaft for Auger for Perfection No. 3 and 13, No. 70 Stationary Conveyors (13/16 x 93 inches) (give Serial No. and length) . . .	
8337	Brace, Hopper Base, to Elevator, Hart Perfection No. 3 Conveyor (3/16 x 1 x 7-5/8 inches) . . .	
8338	13/16 x 3-inch Stud (Drilled) for Bevel Pinion, 2292 . . .	
8354	Brace, Hopper Base to Elevator, Hart Perfection No. 13 (3/16 x 3/4 x 6-1/8 inches) . . .	
8356	Bar (Straight) for Countershaft, Hart Perfection No. 13 Loader (3/8 x 1-1/4 x 18 inches) (2 used) . . .	
8454C	Bracket Support Angle (Lower) with 8454 R. H. Angle, 8455 L. H. Angle Assembled with 8720 Brace Plate for Conveyor Drive Gearing, Hart Perfection No. 1, 2, 11 and 12 (1-inch Angle, 19-7/8 inches long x 6 inches wide) . . .	
8513C	Lid with 1750 Bar at Head of Hart Perfection Registers and Loaders (6-7/8 x 6-7/8 inches and 3/16 x 3/4 x 7-5/16 inches) . . .	23
8514	Throat Piece for Hart Perfection Registers (7 x 7-3/4 inches) . . .	
8526	Cup with No. 1944 Link Attached, 2-5/8 x 5-5/8 inches Dipped, Hart Perfection Registers and Loaders (37 used) . . .	23
8526C	Chain, Complete, 20-foot long as used in Hart Perfection Registers and Loaders Dipped Cups every 4th Link (37 Cups in all) (No. 45 Steel Chain) . . .	
8531	Wagon Spout less Swivel Head and Links (Sheet Iron only) (for Hart Perfection Registers and Loaders) . . .	
8531C	Swinging Wagon Spout with 1048-1049 Head and 8324 and 8325 Support Links, all Conveyors . . .	
8539	Clip, Receiving Hopper to Conveyor Hopper, Hart Perfection No. 2 Registers (1/8 x 3/4 x 4-5/16 inches) . . .	
8542	Tapered Section at Top of Elevator Leg, Hart Perfection Registers (13-3/4 x 16-3/4 x 19-1/2 inches) . . .	
8543	Tapered Section at Bottom of Elevator Leg, Hart Perfection Registers and Loaders (14 x 20 x 17-1/4 inches) . . .	
8548C	Valve, Complete with 8136 and 8137 Arms for Cut-Off on Head of Hart Perfection Registers (6-1/2 x 13-1/8 inches) . . .	
8549	Bracket on Elevator Leg for Registering Hopper Link, Hart Perfection Registers (2-1/4 x 2-5/8 inches) . . .	
8600C	Valve, Complete with 2284 and 2285 Arms on Registering Hopper, Hart Perfection Registers (13 x 17-1/8 inches) . . .	
8606	Bracket on Registering Hopper for Trip Bar, Hart Perfection Registers (1 x 5 inches) . . .	
8609	Filler Door and Bearing Holder, 7-inch Diameter, Perfection No. 1, 11, 3 and 13 Conveyors . . .	
8610	Bracket for Support Rod, Outer End of Conveyor, Hart Perfection No. 1 and 11 Conveyors . . .	

Catalog No.	DESCRIPTION	Plate
HART WEIGHER AND CLEAN GRAIN AUGER—Continued		
8611C	Valve with 8335 Guide Bracket in Hart Perfection No. 3 and 13 Conveyors (10-3/8 x 10 inches and 1/8 x 1 x 12 inches).....	
8616C	Tube or Housing for Conveyor Auger for Perfection 3 and 13 No. 70 Stationary Conveyors (give Serial No. and length).....	
8618	Bracket on Hopper for Registering Hopper Link, Hart Perfection Registers (2-1/4 x 3-3/4 inches).....	
8624C	Spout, Complete with 8625 and 8334 Band, Lead to Conveyor, Hart Perfection No. 11 and 12 Loaders.....	
8630C	Tube or Housing for Conveyor Auger for Perfection No. 1 and 11, 9-ft. Conveyors (give Serial No. and length).....	
8637	Tapered Section at Top of Elevator Leg, Hart Perfection Loaders (13-3/8 x 16-3/4 x 19-1/2 inches).....	
8639	Hopper Cover Sheet (End Piece) for Hart Perfection No. 13 (No. 20 x 1-1/2 x 9-3/8 inches).....	
8640	Hopper Cover Sheet (Side Piece) for Hart Perfection No. 13 (No. 20 x 2-1/2 x 8-1/8 inches).....	
8641	Hopper Lid Sheet for Hart Perfection No. 13 (No. 24 x 7 x 12-1/4 inches).....	
8641C	Hopper Lid Assembled with 8639 End Piece and 8640 Side Piece for Hart Perfection No. 13.....	
8642	Washer (Special Cup) in Throat and Head Sides of Hart Perfection Registers and Loaders (1/4 x 3/4-inch).....	
8643	Cover for Conveyor Hopper, Hart Perfection No. 12 (14-3/4-inch Diameter, and 6-1/4 x 6-5/8-inch Hole).....	
8719C	Drum Sheet with 8369 Clamp Bar for Bottom of Hart Perfection Registers and Loaders (7-3/8 x 33-1/4 x 1/8 x 3/4 x 6-3/4 inches).....	
8912C	Sleeve with Bolt and Washer for 2241 Sprocket (7/8-inch O.D. x 2-1/4 inches long).....	
9361	Bottom Bracket (Front) Hart Perfection Registers and Loaders (1-3/16 x 4-1/4 inches).....	
9362	Bottom Bracket (Rear) Hart Perfection Registers and Loaders (3-3/4 x 1/8 x 5-3/8 inches).....	
9363	Support Bracket for Hart Perfection Registers and Loaders (8 x 3/16 x 13-3/8 inches).....	
9364	Elevator Support Hook Bolt (1/2 x 24 inches) for Hart Perfection No. 1 and 11.....	
9365	Elevator Support Hook Bolt (1/2 x 39 inches) for Hart Perfection No. 2, 3, 12 and 13.....	
9370	Conveyor Support Bracket for Hart Perfection No. 3 (1-1/4 x 1/4 x 9-7/16 inches) (2 used).....	
9371	Clamp Band (1/2 Section) for Hart Perfection No. 3 and 13 (1-1/4 x 1/8 x 12-3/4 inches) (2 used).....	
9372	Conveyor Support Bracket for Hart Perfection No. 13 (1/4 x 1/4 x 10-11/16 inches) (2 used).....	
	No. 25 Plain Steel Chain per Link (13.3 Links per foot) 21 Links per Tally Drive.....	
	No. 45 Steel Chain per Link (7.4 Links per foot) used as Drive Chain Head Shaft to Countershaft, Drive Chain for Auger and Inside of Elevators (Specify Number of Links Required).....	
	Drive Belt for Hart Perfection No. 2, 3, 12 and 13—12-foot Rubber Belt, 3 inches Wide, with No. 5 Clipper Belt Hooks.....	
	Drive Belt for Hart Perfection No. 1 and 11—13-foot 8-1/2-inch Red Rubber Belt, 3 inches Wide, with No. 5 Clipper Belt Hooks.....	
	Conveyor, Swinging 8-foot length, Complete with Gearing Receiving Hopper, Wagon Spout, Spout Head and Support Rod for Hart Perfection No. 2 and 12 (all other Accessories extra) (give Serial No. and Style of Elevators).....	
	Conveyor, Stationary, Complete with 2 Wagon Spouts and Spout Heads, for Hart Perfection No. 3 and 13 (all other Accessories extra) (give Serial No. and Style of Elevator and length of Conveyor).....	
	Conveyor, Swinging 6-foot length, Complete with Gearing, Receiving Hopper, Wagon Spout, Spout Head and Support Rod for Hart Perfection No. 2 and 12 (all other Accessories extra) (give Serial No. and Style of Elevators).....	
	Conveyor, Swinging, Tilting Type (9-foot length) for Hart Perfection No. 1 and 11, Complete with Gearing, Receiving Hopper, Wagon Spout, Spout Head and Support Rod (all other Accessories extra) (state Name of Elevator and give age, Shop No., Name of Separator) (give Serial No. of Elevator).....	
	Head Assembly Sheet Steel only, for Hart Perfection Registers Consists of: 1-8545 Top Sheet, 1 No. 8546 Side Sheet, R. H., 1-8547 Side Sheet, L. H., 1-8203C Rod Support and 1-8513C Lid with Bar.....	
	Head Assembly, Sheet Steel only, for Hart Perfection Loaders, Head for No. 11, 12 and 13 Loaders Consists of: 1-8620 Side Sheet, R. H., 1-8621 Side Sheet, L. H., 1-8622 Cover Sheet and 8513C Door.....	
	Hoppers, Receiving (give Serial No. and state for what kind of Machine wanted and where used, with Stationary Conveyor or Swinging Conveyor Loader or Register Type).....	
	Hoppers, Registering (give age and Serial No. of Register).....	
	Set Screws (state size or for what parts wanted).....	
	Rod Assembly, Complete to Support Conveyor, Rod for Hart Perfection No. 1 Register with 9-foot Conveyor Consists of: 1-8211 Clevis, 1-8219 Lock, 1-8220 Rod and 8221 Bar with Pins Assembled No. 11 Loader with 9-foot Conveyor same as No. 1 except uses 8345 Bar.....	
	Rivets per Lb. (state for what wanted).....	

Catalog No.	DESCRIPTION	Plate
HART WEIGHER AND CLEAN GRAIN AUGER—Continued		
.....	Pins, except Trip (state size and for what wanted).....	.....
.....	Leg or Body of Elevator for Hart Perfection Registers and Loaders (give Serial No., length and style of Elevator and size and age of Separator).....	.....
.....	Keys (state size and for what wanted).....	.....
.....	Transfers Patent Date or Trade Name.....	.....
A124	Collar Fastening Flighting to Auger Pipe, L. H., Perfection No. 3 and 13 (2 used) (Mall.).....	.....
A249	Sprocket, 8-Tooth, No. 45 Chain, 7/8-inch Bore (used on Horizontal Gear Shaft for Perfection No. 1, 11, 2 and 12) used on Head Shaft and Two used on Countershaft as Drive Sprockets for Perfection Registers and Loaders (4 used).....	23
45SD	Steel Attachment Link.....	23
AS1973	Clean Grain Auger Shaft, Complete with Spiral (22-inch only).....	23
AS1974	Clean Grain Auger Shaft, Complete with Spiral (28-inch only).....	23
AS2490	Splice for Weigher Belt (used when Drive Belt shrinks) (3 x 4 Ply x 2 inches long).....	.....
AS2573	Clean Grain Auger Housing with End Supports (22-inch only).....	.....
AS2574	Clean Grain Auger Housing with End Supports (28-inch only).....	.....
AS2598	Webbage Strap, Complete for Grain Spout Rest.....	.....
B6811	Buckle, Complete, on Webbage Strap for Grain Spout Rest.....	23
JD7767	Zerk Fitting, 7/16-inch Wood Screw, Elbow 67-1/2° (Zerk No. 1664).....	.....
P1416	Bearing Box for Tailings and Clean Grain Auger Shaft (3 used).....	23
S485	Collar on R. H. End of Shaft for Auger.....	23
S586	Extension for Auger Flight.....	23
S587	Bearing on L. H. End of Auger Shaft.....	23
S9699	Angle Bracket, Auger Housing End Supports to Separator Sill (2 used).....	.....
S9747	Rest on Separator Top for Grain Spout, while transporting.....	.....
HART FEEDER		
AS2068	Splice for Feeder Drive Belt (used when Drive Belt shrinks) (3-1/2 x 4 Ply x 2 inches long) (22-inch only).....	.....
AS2493	Knife, Complete, with Sections on Lower Feed Pans (3 used) (B4831 Sections) (Rice) (28-inch only).....	.....
AS2510	Splice for Feeder Drive Belt (used when Drive Belt shrinks) (4 x 4 Ply x 2 inches long) (28-inch only).....	.....
JD7767	Zerk Fitting, 7/16-inch Wood Screw, Elbow 67-1/2° (Zerk No. 1664).....	.....
JD7768	Zerk Fitting, 7/16-inch Wood Screw, Straight (Zerk No. 1663).....	.....
S9534	Belting on R. and L. H. Knife Arm Support Angle Filler Block (2 used) (Special for Rice).....	.....
S9535	Belting on Middle Knife Arm Support Angle Filler Block (Special for Rice).....	.....
S9543	Wood Filler Block between Knife Arm Support Angle (Special for Rice) (3 used).....	.....
31	Socket Wrench.....	24
568	Collar on Spreader Pipe Toggle Links at Center of Carrier (2 used).....	24
888	Top Door Button (2 used).....	.....
2180	Wing Nut on Bolt through Pan Adjusting Lever and Casting.....	24
2726C	Wood Bearing Block for Upper Crankshaft (Includes Upper and Lower Half) (2 used 22-inch) (3 used 28-inch) (3 x 3/8 x 4-3/4 inches).....	.....
4445	Key for Y1682 for Upper Crankshaft (3/8 x 3/8 x 1-15/16 inches).....	24
7173	Key for Y1683 Sprocket to Governor Shaft (5/16 x 2-3/4 inches).....	.....
A60	Collar on Trip Arm Rod (Mall.).....	24
Y50	Roller Stud in Planetary Gear Spider (2 used).....	24
Y59	Spring for Trip Dog (Y1270A).....	24
Y61	Roller for Planetary Gear Spider (1-inch O.D. x 5/8-inch I.D. x 11/16-inch long) (2 used).....	24
Y96	Spring for Belt Tightener (1-7/16 I.D. x 3-5/8-inch long, 12 coils).....	24
Y97	Spring for Trip Arm Rod (3/8-inch I.D. x 9 inches long, 37 Coils).....	24
Y128	16-inch Pulley with Key Way Special 1-3/16-inch Bore (22-inch only).....	24
Y374	Band Knife, 9/32-inch Hole (Crescent Shaped) (8 used 22-inch and 12 used 28-inch).....	24
Y598	Pin, Trip Latch to Trip Arm (3/8 x 1-7/8 inches).....	24
Y729	Wood Bearing Block for Lower Crankshaft (Includes Upper and Lower Half) (2 used, 22-inch, 3 used, 28-inch) (2-1/8 x 3-3/8 x 4-3/4 inches).....	24
Y743	Pitman for Shake Pan (3/4 x 1-3/4 x 27-1/4 inches).....	24
Y749	Drive Pitman on Shake Pan (2 used).....	24
Y782	Wood Bearing Block for Upper Pan Hanger (Includes Upper and Lower Half) (2 used 22-inch, 3 used 28-inch) (2-1/8 x 3-3/8 x 4-3/4 inches).....	24
Y784	Wood Filler Block between Knife Arm Support Angle (2 used 22-inch, 3 used 28-inch).....	24
Y830	16-inch Pulley with Key Way (1-3/16-inch Bore, 4-5/8-inch Face) (28-inch only).....	24
Y858	Hanger Pipe Arm Bearing, Right (Mall.).....	24
Y866	Pan Hanger Arm, 22-inch Feeder (Mall.) (2 used).....	24

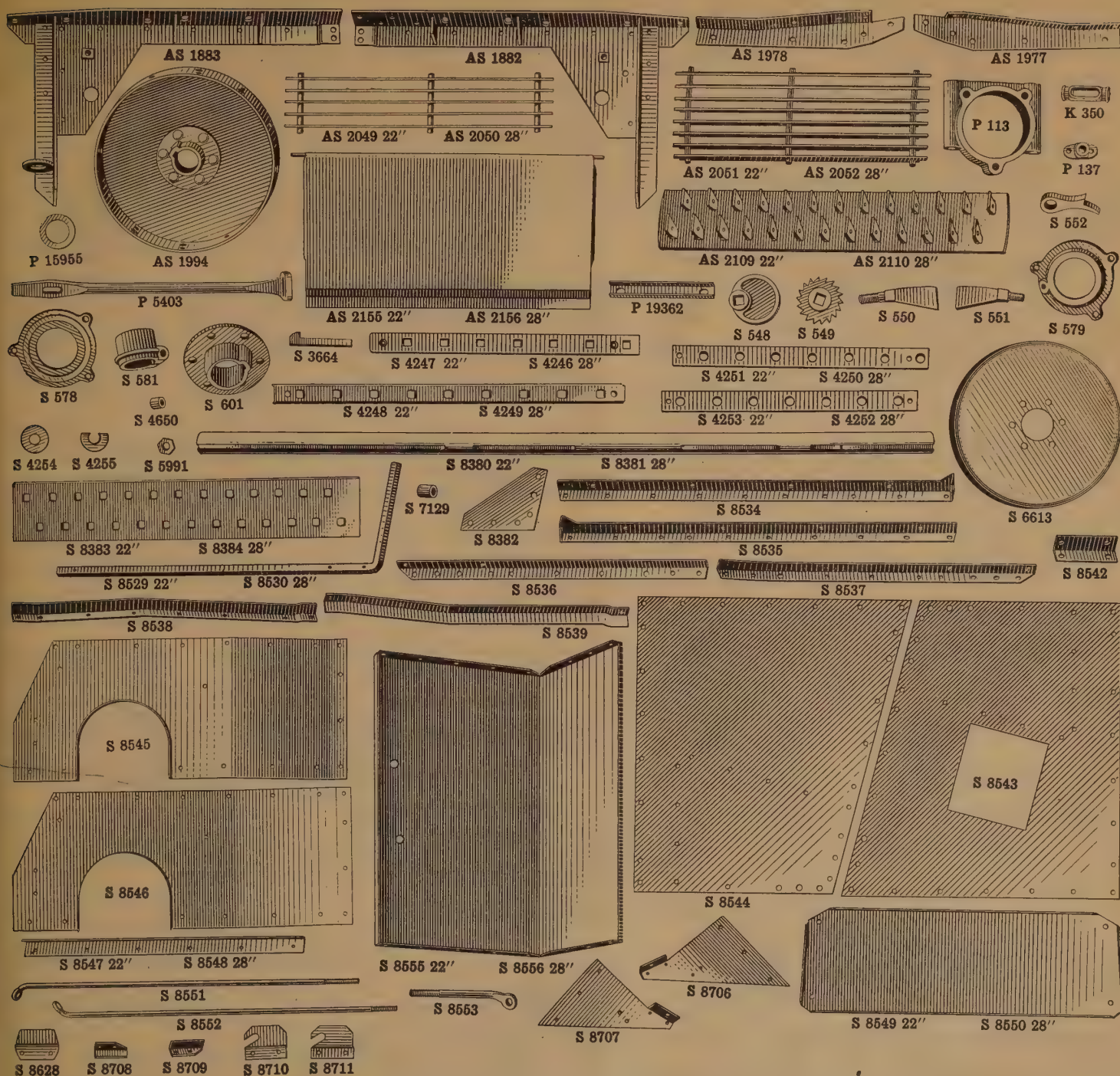
Catalog No.	DESCRIPTION	Plate
HART FEEDER—Continued		
Y871	Idle Pulley Shaft Bearing (2 used).....	24
Y873	Crank on Shake Pan Crankshaft (Mall.).....	24
Y877	7-Tooth Carrier Chain Idler Sprocket, 7/8-inch Bore, Outer End of all Carriers (2 used).....	24
Y883	Belt Tightener Pulley for Belt Tightener.....	24
Y884	Set Collar for Pan Hanger Arm and Outer End Cross Pipe (except 22-inch 12 and 14-foot Carriers).....	24
Y899	Bearing for Web Drive Shaft, Left (Mall.).....	24
Y945	Carrier Chain Tightener Eyebolt, 5/16-inch Stock, 4-1/2 inches over-all (2 used).....	24
Y955	Retarder Shaft Sleeve, U-bolt (5/16 x 4-3/4-inch Stock).....	24
Y960	Belt Tightener Pulley Shaft (7/8 x 8 inches).....	24
Y996	Governor Shaft Bearing, U-bolt, 7/16-inch Stock, 5-1/2 inches long (2 used).....	24
Y1000	Lock Straps for Nuts on Upper Crankshaft Wood Bearing Blocks (4 used 22-inch) (6 used 28-inch).....	24
Y1013	Pusher for Upper Feed Pans, 3-3/4 x 5-11/16 inches (6 used 22-inch) (9 used 28-inch).....	24
Y1014	Center Upper Feeder Pan 7-1/4 inches wide with 3 Pushers (28-inch only).....	24
Y1098	Right-Hand Wing, Complete, with Y1070 Extension.....	24
Y1099	Left-Hand Wing, Complete, with Y1071 Extension.....	24
Y1102	Key for Drive Pulleys (5/16 x 5/16 x 3-3/4 inches).....	24
Y1106	Key in Friction Disk (Y1630) (1/4 x 1/4 x 2 inches).....	24
Y1120	Key for Planetary Spider to Shaft (1/4 x 1/4 x 1 inch).....	24
Y1126	Spring for Friction Disk (11/16 O.D. x 3/4-inch long x 4 Coils) (3 used).....	24
Y1127	Spring for Trip Lever Latch (Y1643) (13/16 I.D. x 2 Coils).....	24
Y1128	Key in Governor Clutch Collar (Y1671) (5/16 x 5/16 x 1-3/8 inches).....	24
Y1129	Spring for Governor Arm (7/16-inch I.D. x 3-1/4 inches long x 12 Coils) (2 used).....	24
Y1130	Spring for Differential Gear Friction (1-1/16-inch I.D. x 2-1/8 inches long x 6 Coils).....	24
Y1134	Half Round Band Knife (4 used 22-inch) (6 used 28-inch).....	24
Y1136	Knife Section (8 used 22-inch) (12 used 28-inch).....	24
Y1200	Sprocket Square Hole, 3/4-inch on Web Drive Shaft, 15-Tooth.....	24
Y1201	Trip Arm Bearing (Mall.).....	24
Y1203	Sprocket, 3/4-inch Square Hole on Web Drive Shaft (Special) (10 Teeth).....	24
Y1208	Lower Crankshaft Bearing, Right, 1-9/64-inch Bore.....	24
Y1209	Lower Crankshaft Bearing, Left, 1-9/64-inch Bore.....	24
Y1216	Governor Shaft Bearing, 1-3/16-inch Bore (2 used).....	24
Y1217	Bracket for Governor Shaft Bearing (2 used).....	24
Y1219	Reinforcement Block for Front Vertical Side Angle at Governor Shaft Boxes (2 used).....	24
Y1220	Pan Hanger Arm (Mall.) (3 used) (28-inch only).....	24
Y1230	Pan Hanger Pipe Arm, Right (Mall.).....	24
Y1267	Planetary Gear Spider (Mall.) Complete, with Studs, Rollers and Set Screws.....	24
Y1268	Trip Sprocket and 13-Tooth Gear on Lower Crankshaft (15 Teeth).....	24
Y1269	10-Tooth Planetary Gear for Differential (2 used).....	24
Y1276	Pan Hanger Pipe Arm Bearing, Left (Mall.).....	24
Y1277	Friction Shoe on Y1276 (Mall.).....	24
Y1286	Bracket, R. H., on Brace Pipe for Adjusting Position of 14-foot Carrier all sizes (Mall.).....	24
Y1287	Bracket, L. H., on Brace Pipe for Adjusting Position of 14-foot Carrier all sizes (Mall.).....	24
Y1296	Folding Hook Collar, 14-foot Carrier, all sizes (2 used) (Mall.).....	24
Y1298	Adjusting Lever Dog for 14-foot Carrier (2 used).....	24
Y1299	Wearing Washer on Lower Crankshaft (Mall.) (2 used).....	24
Y1326	Finger for Retarder, 5/8-inch Square x 10-3/4 inches (4 used 22-inch and 6 used 28-inch).....	24
Y1335	Stripper for Knife Arm, Outer, 1-1/2-inch Channel x 31-1/2 inches (2 used 28-inch only).....	24
Y1336	Stripper for Knife Arm, Center (2-inch Channel x 31-1/2 inches) (1 used 22-inch) (2 used 28-inch).....	24
Y1343	Stripper for Knife Arm, Outer (2-inch Channel x 31-1/2 inches) (2 used 22-inch).....	24
Y1436	Angle Iron Support (Right) for 14-foot Carrier Hinge Pipe, Complete, with Y2111 Brace and Y1496 Plate.....	24
Y1437	Angle Iron Support (Left) for 14-foot Carrier Hinge Pipe, Complete, with Y2111 Brace and Y1496 Plate.....	24
Y1441	Hinge Pipe Brace, 14-foot Carrier, 1-5/16-inch O.D. x 82-1/2 inches (2 used).....	24
Y1450	Wing Stiffener Rod (1/2 x 24-3/8 inches) (Spring Steel) (2 used).....	24
Y1456	Angle Iron Support (Right) for 9- and 12-foot Carrier Hinge Pipe, Complete, with Y1458 Strap and Y1496 Plate.....	24
Y1457	Angle Iron Support (Left) for 9- and 12-foot Carrier Hinge Pipe, Complete, with Y1458 Strap and Y1496 Plate.....	24
Y1459	Hinge Pipe Brace (1-1/16 O.D. x 49-3/4 inches) for 9-foot Carrier (2 used).....	24
Y1460	Folding Hook (5/16 x 7-5/8 inches) 14-foot Carrier (2 used).....	24
Y1462	Divider Board Support Pipe for all Carriers.....	24

Catalog No.	DESCRIPTION	Plate
HART FEEDER—Continued		
Y1466	Crankshaft Bearing U-bolt (3/8 x 10-1/8 inches) (2 used).....	24
Y1479	Trip Arm Stud Brace.....	24
Y1501	Machine Bolt (5/16 x 2 inches with 1-inch Thread for Knife Arm Stripper to Wing).....	24
Y1508	Upper Pan Adjusting Hand Lever (1-1/4 x 1/4 x 17-7/8 inches).....	24
Y1525	Speed Governor Spring Pin (3/4 x 3-1/16 inches) (2 used).....	24
Y1526	Speed Governor Hinge Pin (3/8 x 3-1/16 inches) (2 used).....	24
Y1527	Speed Governor Roller (1 inch x 1-1/2 inches long) (3 used).....	24
Y1528	Trip Dog Pin for Internal Gear.....	24
Y1534	Sprocket Stud, Outer End of all Carriers (7/8 x 5-1/4 inches) (2 used).....	24
Y1600	Folding Hook Casting (Mall.) 9-foot Carriers, all sizes and 12- and 14-foot Carriers, 28-inch and larger (28-inch only).....	24
Y1601	Divider Board Support and Pipe Bracket, Inner End, 28-inch Feeders (28-inch only) (Mall.).....	24
Y1602	Spacing Collar on Governor Shaft.....	24
Y1606	Brace Pipe Adjusting Lever Bearing, Right, 14-foot Carrier, all sizes (Mall.).....	24
Y1607	Brace Pipe Adjusting Lever Bearing, Left, 14-foot Carrier, all sizes (Mall.).....	24
Y1610	Weight between Governor Arms (2 used).....	24
Y1612	Outer Governor Arm (2 used) (Mall.).....	24
Y1613	Inner Governor Arm (2 used) (Mall.).....	24
Y1614	Shake Pan Crank Bearing (2 used).....	24
Y1620	Latch Eccentric (2 used).....	24
Y1623	Belt Tightener Collar (Mall.).....	24
Y1624	Belt Tightener Arm (Mall.).....	24
Y1625	Clutch Sprocket for Friction Disk on Power Crankshaft (1-1/8-inch Bore) (5 Teeth).....	24
Y1627	Governor Clutch Sprocket (6 Teeth).....	24
Y1628	Friction Disk, Inner Section, with Jaw Clutch Lower Crankshaft (Mall.).....	24
Y1629	Friction Disk, Outer Section, Lower Crankshaft (Mall.).....	24
Y1630	Friction Disk, Center Section, Lower Crankshaft.....	24
Y1631	Sprocket on Web Drive Shaft (2 used) (8 Teeth).....	24
Y1635	Idler Sprocket Bearing for Lower Crankshaft Drive Chain (Mall.).....	24
Y1636	Chain Tightener Bracket for Lower Crankshaft Drive Chain (Mall.).....	24
Y1637	Stud for Chain Tightener Sprocket Lower Crankshaft Drive Chain (Mall.).....	24
Y1641	Clutch Sprocket for Friction Disk on Lower Crankshaft, 1-1/8-inch Bore (6 Teeth).....	24
Y1643	Trip Arm Latch (Mall.).....	24
Y1652	Sprocket for Idler and Chain Tightener Lower Crankshaft Drive Chain (7 Teeth) (2 used).....	24
Y1667	Retarder Finger Adjusting Arm (Mall.) (2 used).....	24
Y1668	Retarder Finger Lock Casting Quadrant (Mall.).....	24
Y1669	Speed Governor Clutch Drum.....	24
Y1670	Speed Governor Clutch Plate.....	24
Y1671	Speed Governor Clutch Collar.....	24
Y1674	Speed Governor Roller Cage.....	24
Y1675	Speed Governor Housing only.....	24
Y1677	Pan Adjusting Lever Clamp (Mall.).....	24
Y1678	Bracket and Chain Tightener (Left) at Outer End of all Carriers (Mall.).....	24
Y1679	Bracket and Chain Tightener (Right) at Outer End of all Carriers (Mall.).....	24
Y1682	Sprocket on Upper Crankshaft (1-3/8-inch Bore) (13 Teeth).....	24
Y1683	7-Tooth Sprocket on Governor Shaft (1-3/16-inch Bore) to Drive Upper Crankshaft.....	24
Y1684	Sleeve Bearing on Web Drive Shaft Square Hole (2 used).....	24
Y1691	Sprocket, 3/4-inch Square Hole on Web Drive Shaft (Special) (18 Teeth).....	24
Y1694	13-Tooth Sprocket, 3/4-inch Square Hole on Web Drive Shaft (Special).....	24
Y1695	Shake Pan Drive Crank, Upper (Mall.).....	24
Y1696	Bearing, R. H., on Upper Crankshaft, for 1-3/8-inch Shaft.....	24
Y1697	Bearing, L. H., on Upper Crankshaft, for 1-3/8-inch Shaft.....	24
Y2052	Toggle Link Guide Plate, Right.....	24
Y2053	Toggle Link Guide Plate, Left.....	24
Y2055	Slat Guard (2 x 1/8 x 13-5/8 inches) (2 used).....	24
Y2068	Carrier Joint Latch, Right.....	24
Y2069	Carrier Joint Latch, Left.....	24
Y2072	Carrier Hinge (4 used).....	24
Y2074	Toggle Link (2 used).....	24
Y2091	Plate for Fastening Wing Rod (2-1/4 x 1/8 x 5 inches) (2 used).....	24
Y2094	Tiebar for Knife Arm (Narrow) (2-1/2 x 1/4 x 8-7/8 inches) (2 used 28-inch only).....	24
Y2096	Tiebar for Knife Arm (Offset) (2-1/2 x 1/4 x 9-7/8 inches) (4 used).....	24
Y2140	Knife Arm Angle, Right (2 used 22-inch) (3 used 28-inch).....	24
Y2141	Knife Arm Angle, Left (2 used 22-inch) (3 used 28-inch).....	24

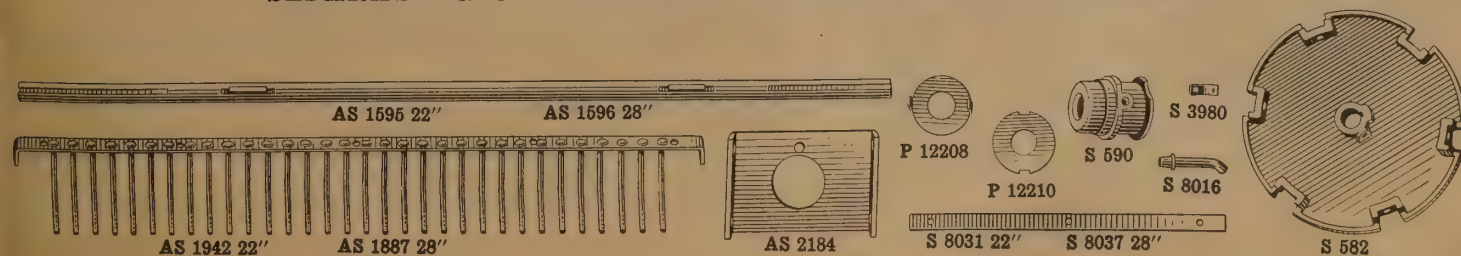
Catalog No.	DESCRIPTION	Plate
HART FEEDER—Continued		
Y2335	Hinge Support Pipe for 12-foot Carrier (2 used).....	24
Y2348	Folding Hook on Hinge Pipe, 12-foot Carrier (2 used).....	24
Y2354	Side Angle for Retarder (Right).....	24
Y2355	Side Angle for Retarder (Left).....	24
Y2690	Angle Stiffener for Upper Crankshaft Wood Bearing Block (2 used each Block).....	24
Y2711	Bearing Block for Return Carrier Chain (1-1/2 x 4-1/8 x 6-1/16 inches) Stock Size (2 used).....	24
Y2867	Dowel Pin for Cast Bearing (Y3232) on Upper Crankshaft (1/4 x 3/4 inches) (2 used 22-inch) (3 used 28-inch).....	24
Y2916	Wearing Plate on Lower Pans (4 x 1/8 x 7 inches) (Stock Size) (3 used 28-inch).....	24
Y2917	Wearing Plate on Lower Pans (4 x 1/8 x 8-1/4 inches) (Stock Size) (2 used 22-inch).....	24
Y2923	Trip Adjusting Arm.....	24
Y2924	Trip Arm Rod (Spring Y97).....	24
Y2925	Upper Feed Pan Spring Rod.....	24
Y2926	Pan Tension Rod Swivel Pin.....	24
Y2939	Stationary Finger for Retarder (5/8 inch Square x 19-1/2 inches).....	24
Y2940	U-bolt for Stationary Retarder Finger.....	24
Y2942	Retarder Adjusting Link, R. H. (3/8 x 5-3/4 inches).....	24
Y2943	Retarder Adjusting Link, L. H. (3/8 x 5-3/4 inches).....	24
Y3097	Roller on Spreader Pipe Center of Carrier for Raddle (2 used).....	24
Y3181	Clamp Casting on Stationary Retarder Finger (Mall.).....	24
Y3183	Tension Spring Rod Casting.....	24
Y3232	Sleeve for Upper Crankshaft Wood Bearing Blocks (2 used 22-inch) (3 used 28-inch).....	24
Y3550	Nut (Special) Tapped 3/8-inch for 3/8-inch x 5-1/4 inches M.B. in Governor, 5/8 x 1/4 x 1-inch (2 used).....	24
Y3685	Handle on Deck Door (3/4 x 1/8 x 8-5/8 inches).....	24
Y3698	Retaining Bar for Governor Shaft Bearing (1-1/4 x 3/16 x 10-5/16 inches) (2 used).....	24
Y3702	Eyebolt for Belt Tightener Pipe (3/8 x 4-3/8 inches).....	24
Y3710	Tie Plate for Governor Shaft Bearing (1-1/4 x 3/8 x 4-5/16 inches) (2 used).....	24
Y4175	Shim for Upper Crankshaft Wood Bearing Blocks (4 used 22-inch) (6 used 28-inch).....	24
Y4272	Plate and Nut Lock Supporting Screw Type Zerk used on Rear Pan Hanger Blocks (Y782) Lower Crank Blocks (Y729) and Upper Crank Blocks (Y2726C) 3 x 4-1/4 inches (6 used 22-inch) (9 used 28-inch).....	24
Y7034	Spring for Pan Relief Rod (9/16 x 14 inches long, 45 Coils).....	24
Y7036	Spring for Pan Arm Friction (3/8-inch I.D. x 1-1/4 inches long, 5 Coils) (2 used).....	24
Y7037	Lining for Y3183 Casting for Spring Tension Rod.....	24
Y7045	Lining for Y1277 Friction Shoe.....	24
Y7070	Snap Ring for Y3232 Sleeve on Upper Crankshaft (3/16 x 4-5/8 inches) (2 used 22-inch) (3 used 28-inch).....	24
Y898A	Bearing for Web Drive Shaft (Right) (Mall.).....	24
Y1270A	Differential Trip Dog (Cast Steel).....	24
Y1615A	Bearing for Carrier Pivot Casting, Y1616A (2 used) (Mall.).....	24
Y1616A	Pivot Casting at Rear of Carrier for Folding Carrier (2 used) (Mall.).....	24
Y1676A	Pan Adjusting Lever Casting (Mall.).....	24
Y750AAA	Shake Pan Wood Crossbar (22-inch only).....	24
Y774AAA	Raddle Slats with Attachment Links (1-1/4 x 1-1/4 x 20-3/4 inches) over-all (22-inch only).....	24
Y961AAA	Pipe for Pan Hangers (22-inch only).....	24
Y994AAA	Two-Throw Crank, Lower (1-1/4 x 37-1/2 inches over-all) (22-inch only).....	24
Y1008AAA	Lower Feed Pan, Right (22-inch only).....	24
Y1009AAA	Lower Feed Pan, Left (22-inch only).....	24
Y1018AAA	Top Feed Pan, Right, with 3 Pushers (22-inch only).....	24
Y1019AAA	Top Feed Pan, Left, with 3 Pushers (22-inch only).....	24
Y1328AAA	Web Drive Shaft (3/4-inch Square x 28-15/16 inches) (22-inch only).....	24
Y1331AAA	Upper Feed Pan Support Shaft (22-inch only).....	24
Y1424AAA	Cross Pipe for Outer End of all Carriers (22-inch only).....	24
Y1440AAA	Brace Pipe Adjusting Bracket Shaft for all 14-foot Carriers.....	24
Y1442AAA	Cross Tie Rod through Spreader Pipe between Hinge Support Angles (22-inch only).....	24
Y1472AAA	Spreader Pipe on Cross Tie Rod between Hinge Support Angles, 9- and 12-foot Carriers (22-inch only).....	24
Y1473AAA	Spreader Pipe on Cross Tie Rod between Hinge Support Angles for 14-foot Carriers (22-inch only).....	24
Y1474AAA	Spreader Pipe at Center of Carrier between Toggle Links (22-inch only).....	24
Y1489AAA	Shake Pan Crankshaft (29-1/16 inches over all) (22-inch only).....	24
Y1522AAA	Retarder Adjusting Shaft (22-inch only).....	24

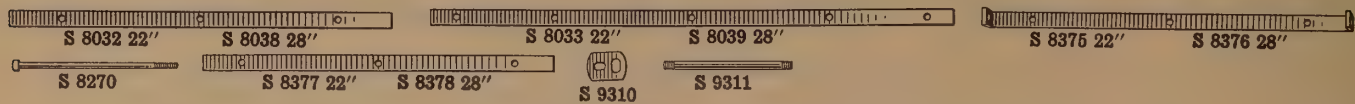
Catalog No.	DESCRIPTION	Plate
HART FEEDER—Continued		
Y1524AAA	Governor Shaft, 43-7/8 inches (22-inch only)	
Y1836AAA	Floor, Inner, Complete, with Angles for 14-foot Carrier (22-inch only)	
Y1837AAA	Floor, Outer, Complete, with Angles for 14-foot Carrier (22-inch only)	
Y1842AAA	Floor, Outer, Complete, with Angles for 9-foot Carrier (22-inch only)	
Y1843AAA	Floor, Inner, Complete, with Angles for 9-foot Carrier (22-inch only)	
Y1955AAA	Floor, Inner, Complete, with Angles for 12-foot Carrier (22-inch only)	
Y1956AAA	Floor, Outer, Complete, with Angles for 12-foot Carrier (22-inch only)	
Y2073AAA	Hinge Rod at Break of Carrier (all Carriers) (22-inch only)	
Y2075AAA	Tie Rod at Center of Carrier through Spreader Pipe (22-inch only)	
Y2934AAA	Support for Retarder Fingers for 22-inch Feeder (3 x 2 x 3/16 x 21-1/2 inches) (22-inch only)	
Y2938AAA	Pipe Supporting Stationary Retarder Finger (1-1/16 O.D. x 16-13/16 inches) (22-inch only)	
Y3701AAA	Pipe for Belt Tightener (1-5/16 inches O.D. x 34-3/4 inches) (22-inch only)	
Y4209AAA	Floor, Complete, with Angles (22-inch only)	
Y1231B	Pan Hangers Pipe Arm, Left (Mall.)	24
Y1610C	Weight for Governor, Complete, with Y1612 and Y1613	24
Y1628C	Friction Disk, Complete, with Y1629 and Y1630 Assembled with Y1126 Springs, Bolts and Thumb Nuts	
Y1675C	Speed Governor, Complete, Assembled with Rollers, Collar and Sprocket	
Y2935C	Retarders, Complete, with Adjustable Links and Fingers, Angle Iron Support (State Size of Feeder) (Specify length of Retarder) (28-inch only)	
Y750AA2	Shake Pan Wood Crossbar (22-inch only)	
Y774AA2	Raddle Slats with Attachment Links (1-1/4 x 1-1/4 x 26-3/4 inches over-all) (22-inch only)	24
Y961AA2	Pipe for Pan Hangers (22-inch only)	24
Y994AA2	Three-Throw Crank, Lower (1-1/4 inches x 43-1/2 inches over-all) (22-inch only)	24
Y1008AA2	Lower Feed Pan, Right, 8-1/2 inches wide (22-inch only)	24
Y1009AA2	Lower Feed Pan, Left, 8-1/2 inches wide (22-inch only)	24
Y1015AA2	Center Feed Pan, Lower, 8 inches wide (22-inch only)	
Y1018AA2	Top Feed Pan, Right, 8-5/8 inches wide with 3 Pushers (22-inch only)	24
Y1019AA2	Top Feed Pan, Left, 8-5/8 inches wide with 3 Pushers (22-inch only)	24
Y1328AA2	Web Drive Shaft (3/4-inch Square x 34-15/16 inches) (22-inch only)	24
Y1331AA2	Upper Feed Pan Support Shaft (22-inch only)	24
Y1424AA2	Cross Pipe at Outer End of all Carriers (22-inch only)	24
Y1440AA2	Brace Pipe Adjusting Bracket Shaft for all 14-foot Carriers (22-inch only)	
Y1442AA2	Cross Tie Rod through Spreader Pipe between Hinge Support Angles (22-inch only)	
Y1472AA2	Spreader Pipe on Cross Tie Rod between Hinge Support Angles for 9- and 12-foot Carriers (22-inch only)	
Y1473AA2	Spreader Pipe on Cross Tie Rod between Hinge Support Angles for 14-foot Carriers (22-inch only)	
Y1474AA2	Spreader Pipe at Center of Carrier between Toggle Links (22-inch only)	24
Y1489AA2	Shake Pan Crankshaft, 35-1/16 inches over-all (28-inch only)	24
Y1522AA2	Retarder Adjusting Shaft (28-inch only)	24
Y1524AA2	Governor Shaft, 49-7/8 inches (28-inch only)	24
Y1836AA2	Floor, Inner, Complete, with Angles for 14-foot Carrier (28-inch only)	
Y1837AA2	Floor, Outer, Complete, with Angles for 14-foot Carrier (28-inch only)	
Y1842AA2	Floor, Outer, Complete, with Angles for 9-foot Carrier (28-inch only)	
Y1843AA2	Floor, Inner, Complete, with Angles for 9-foot Carrier (28-inch only)	
Y1955AA2	Floor, Inner, Complete, with Angles for 12-foot Carriers (28-inch only)	
Y1956AA2	Floor, Outer, Complete, with Angles for 12-foot Carriers (28-inch only)	
Y2073AA2	Hinge Rod at Break of Carrier for all Carriers (28-inch only)	24
Y2075AA2	Tie Rod at Center of Carrier through Spreader Pipe (28-inch only)	
Y2934AA2	Support for Retarder Fingers for 28-inch Feeder (3 x 2 x 3/16 x 21-1/2 inches)	
Y2938AA2	Pipe Supporting Stationary Retarder Finger for 28-inch Feeder (1-1/16-inch O.D. x 22-13/16 inches)	
Y3701AA2	Pipe for Belt Tightener for 28-inch Feeder (1-5/16-inch O.D. x 40-3/4 inches)	
Y4209AA2	Floor, Complete, with Angles for 28-inch Feeder	
Y1271B	23-Tooth Internal Gear only for Differential	24
Y1271BC	33-Tooth Internal Gear for Differential, Complete, with 1270A Dog, Y59 Spring and Y1528 Pin	
Y1271BCA	Differential Assembly, Complete, Consisting of: Y1271B and with Y1270A Dog, Y59 Spring, Y1528 Pin, Y1267 Spider, Y1268 Sprocket, 2 Y1269 Gears, 2 Y1299 Washers, Y1130 Spring and 3/8 x 1-inch Machine Bolt Threaded, Full Length	
Y1687C	Trip Arm, Complete, with Y1643 Spring and Pin (Mall.)	24
Y3232CA	Sleeve Assembly, Complete, on Inner Bearing of Upper Crankshaft, Consisting of: 1 Y3232 (2 Halves) Sleeve, 1 Y2726C Block, 1 Y7070 Ring, 1 Y2867 Pin, 2 Y4175 Shims, 2 Y2690 Angles, 2 Nut Locks, 1 Zerk Keeper, 1 Zerk Fitting and 4-3/8 x 4-1/2-inch Carriage Bolts with Nuts	
YA2142	Crank Knife Bar less Knives (1-1/4 x 1/4 x 32 inches) (4 used 22-inch) (6 used 28-inch)	

Catalog No.	DESCRIPTION	Plate
HART FEEDER—Continued		
YA2142C	Bar for Knives, Left, Complete, with 2 Y1136, 1 Y1134 and 2 Y374 Knives (2 used 22-inch) (3 used 28-inch).....	24
YA2142C	Bar for Knives, Right, Complete, with 2 Y1136, 1 Y1134, and 2 Y374 Knives (2 used 22-inch) (3 used 28-inch).....	24
YA2147AA2	Three-Throw Crank, Upper (1-1/2 x 36-1/2 inches over-all) (28-inch only).....	24
YA2147AAA	Two-Throw Crank, Upper, 1-1/2 x 30 inches over-all (22-inch only).....	24
YZ4681AA2	Shake Pan, Complete (28-inch only).....	24
YZ4681AAA	Shake Pan, Complete (22-inch only).....	24
YZ2733C	Assembled Telescoping Brace for Carrier to Separator, Complete, with YZ4258 and 2 Ferrules, Y1445, all Carriers (2 used).....	24
YZ5295	Shake Pan Shoe, Complete, with 2 YZ5297 Reinforcements and 2 YZ5298 Maple Blocks for 22-inch Feeder.....	
YZ5296	Shake Pan Shoe, Complete, with 2 YZ5297 Reinforcements and 2 YZ5298 Maple Blocks for 28-inch Feeder.....	
	Drive Belt for 22-inch Feeder, 135-1/4 inches of 3-1/2-inch Red Rubber Belt Laced with No. 5 Clipper Belt Hooks.....	
	Drive Belt for 28-inch Feeder, 135-1/4 inches of 4-inch Red Rubber Belt Laced with No. Clipper Belt Hooks.....	
	55 Steel Chain.....	
	55A2R Slat Attachment Link, Right-Hand.....	
	55A2L Slat Attachment Link, Left-Hand.....	
	3/8- x 1-inch M.B. Threaded Full Length for End of Lower Crankshaft.....	
	Divider Board with Y1463 Hinges for 9-foot Carrier.....	
	Divider Board with Y1463 Hinges for 12-foot Carrier.....	
	Divider Board with Y1476 Hinges for 14-foot Carrier.....	
	Upper Crankshaft Drive Chain, Complete, 22 Links No. A362 Endless Roller Chain with Case-Hardened Steel Rollers and Bearings.....	
	Raddle Drive Chain (20 Links, No. 55 Steel).....	
	Lower Crankshaft Drive Chain (58 Links No. 55 Steel).....	
	113 Links, No. 55 Steel Chain and 14 Links, No. 55A2R every 9th Link (127 Links in all) for 9-foot Carrier Raddle Chain, Right.....	
	153 Links, No. 55 Steel Chain and 19 Links No. 55A2R every 9th Link (172 Links in all) for 12-foot Carrier, Raddle Chain, Right.....	
	153 Links, No. 55 Steel Chain and 19 Links, No. 55A2L every 9th Link (172 Links in all) for 12-foot Carrier, Raddle Chain, Left.....	
	176 Links, No. 55 Steel Chain and 22 Links, No. 55A2L every 9th Link (198 Links in all) for 14-foot Carrier, Raddle Chain, Left.....	
	176 Links, No. 55 Steel Chain and 22 Links, No. 55A2R every 9th Link (198 Links in all) for 14-foot Carrier, Raddle Chain, Right.....	
	Chain and Slat on Raddle for 14-foot Carrier (State Size of Feeder).....	
	Chain and Slat on Raddle for 12-foot Carrier (State Size of Feeder).....	
	Chain and Slat on Raddle for 9-foot Carrier (State Size of Feeder).....	
TALLY BOX ATTACHMENT FOR R. H. OR L. H. END DELIVERY		
AS2048	Drive Belt when Auger is Driven on R. H. Side (Length 84-5/8 inches).....	
AS2372	Extension Auger, Complete with Pipe and Spiral.....	
AS2373	Clean Grain Auger Housing, Complete (22-inch only).....	
AS2374	Clean Grain Auger Housing, Complete (28-inch only).....	
AS2376	Clean Grain Auger, Complete (with Shaft and Spiral) (R. H. or L. H. Delivery) (22-inch only).....	
AS2381	Clean Grain Auger, Complete (with Shaft and Spiral) (R. H. or L. H. Delivery) (28-inch only).....	
AS2391	Cap for Auger Housing.....	
AS2395	Drive Belt when Auger is Driven on L. H. Side (Length 82-3/8 inches).....	
S375	Driven Pulley on Clean Grain Auger (10-3/4-inch Diameter, 2-3/4-inch Face, 1-1/16-inch Bore).....	
S529	Drive Pulley on Fan Shaft for Clean Grain Auger (5-3/4-inch Diameter, 2-3/4-inch Face, 1-1/4-inch Bore).....	
S587	Bearing for Clean Grain Auger Shaft (2 used).....	
S9380	Extension for Auger Housing.....	
S9403	Clip, Auger Housing Extension to Auger Housing (3 used).....	

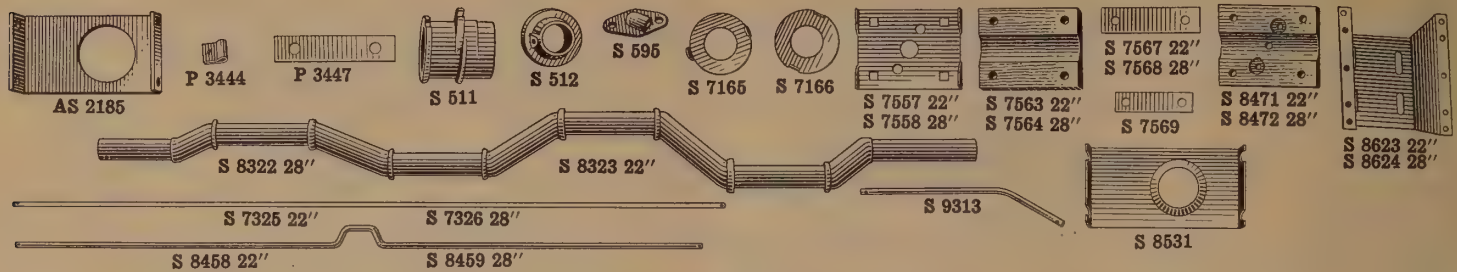


SEPARATING CYLINDER AND GRAIN GRATE—PLATE NO. 2

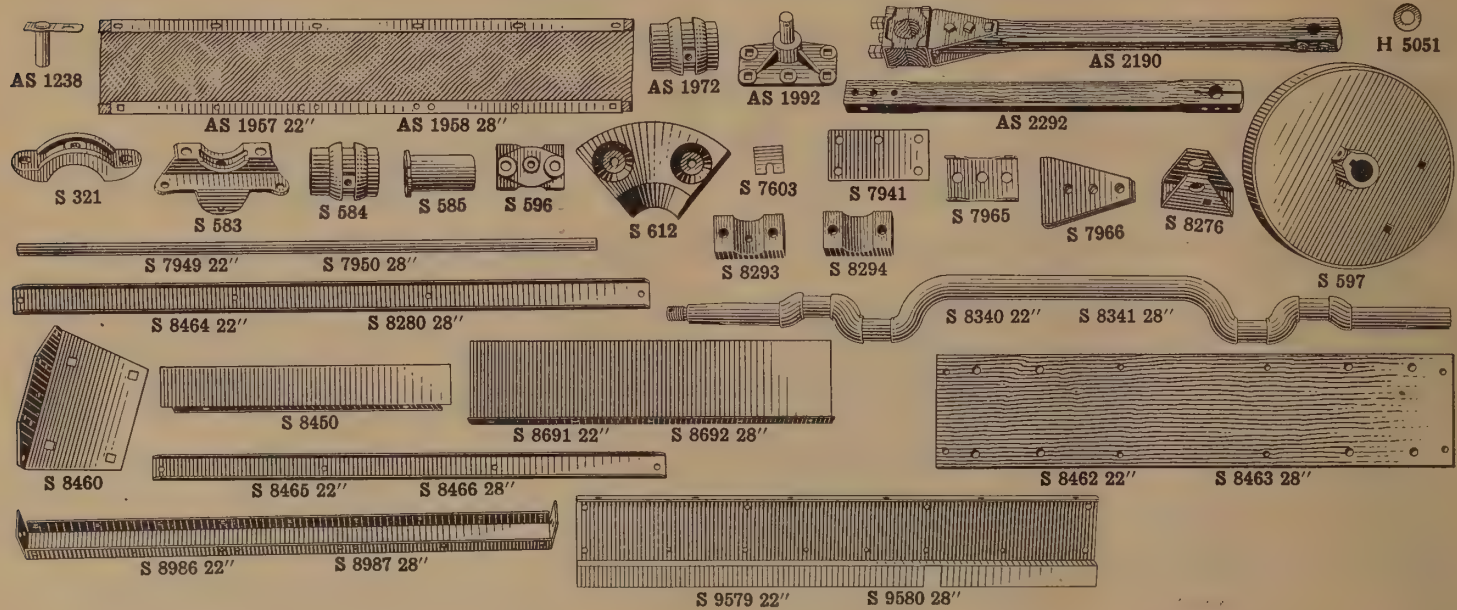




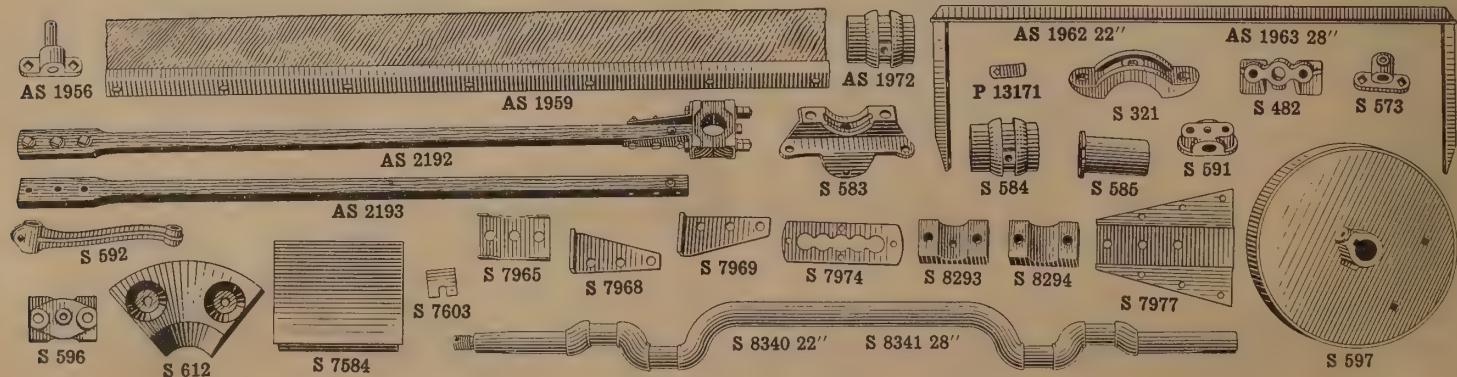
STRAW WALKERS—PLATE NO. 3

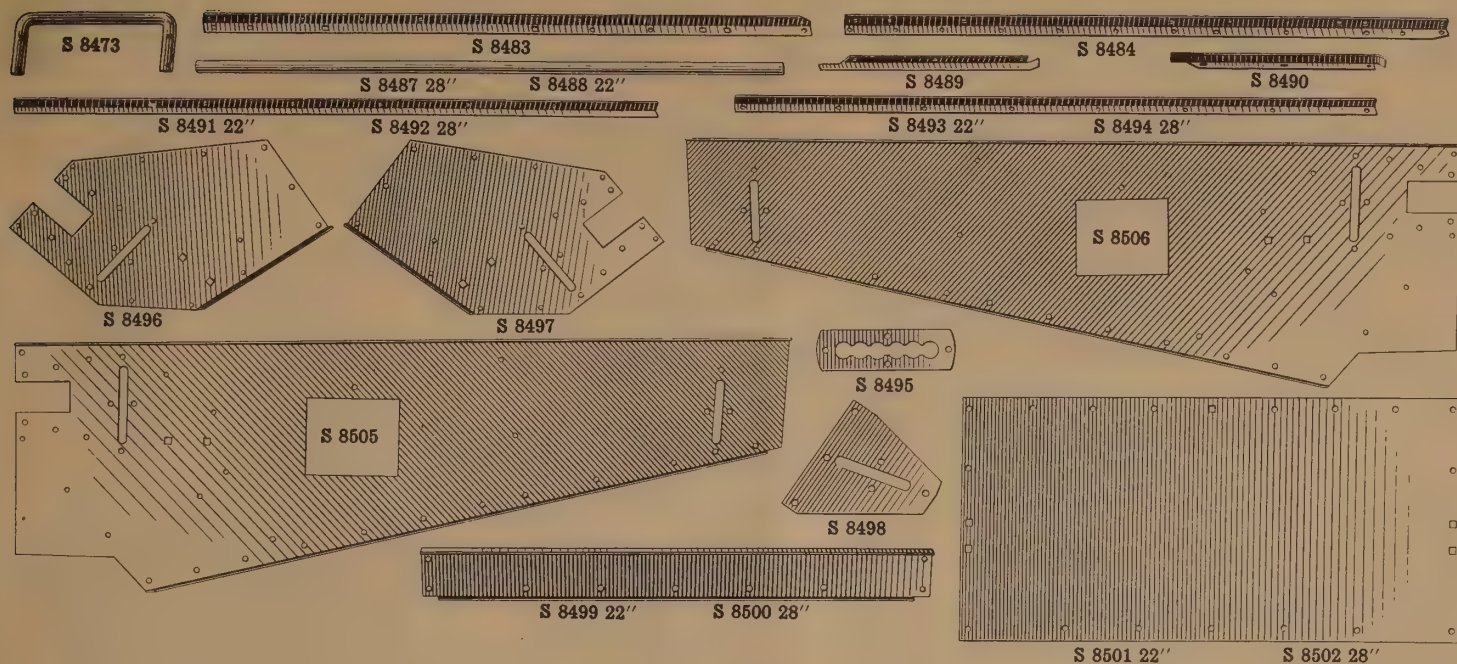


GRAIN PAN—PLATE NO. 4

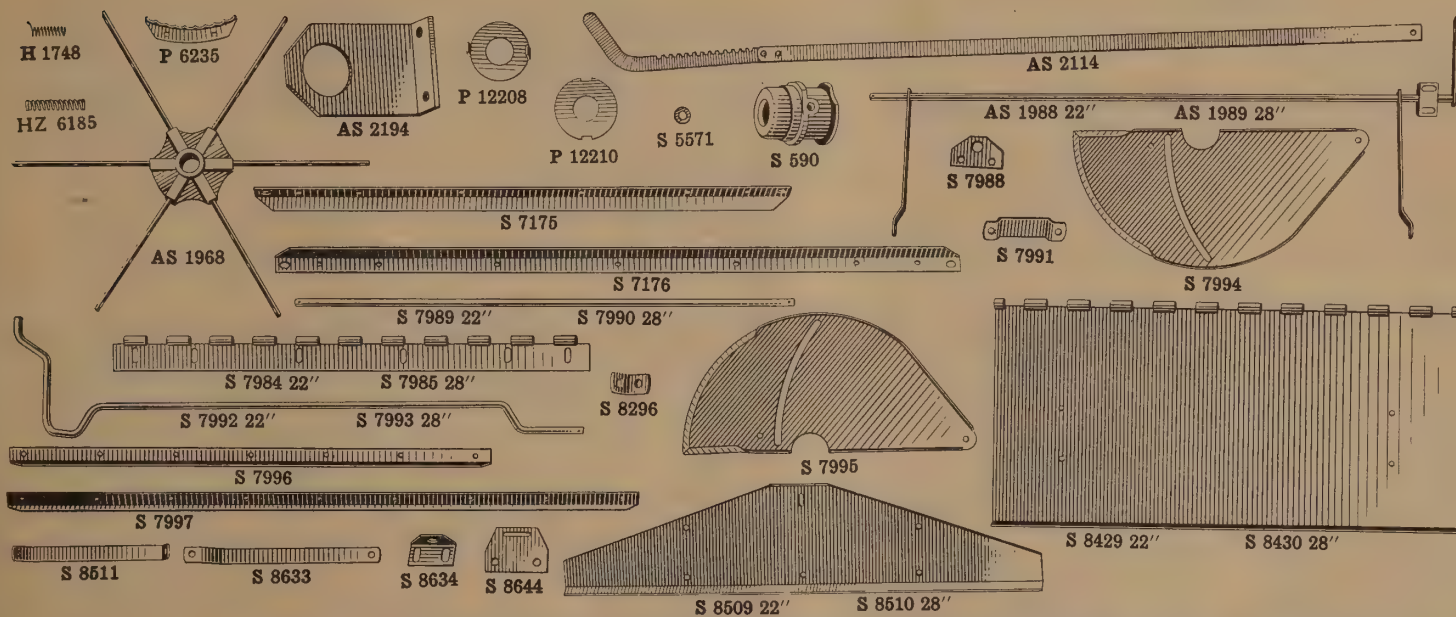


SHOE—PLATE NO. 5

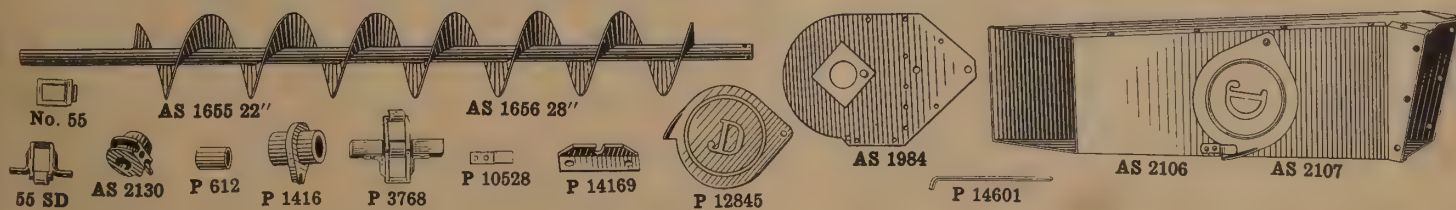


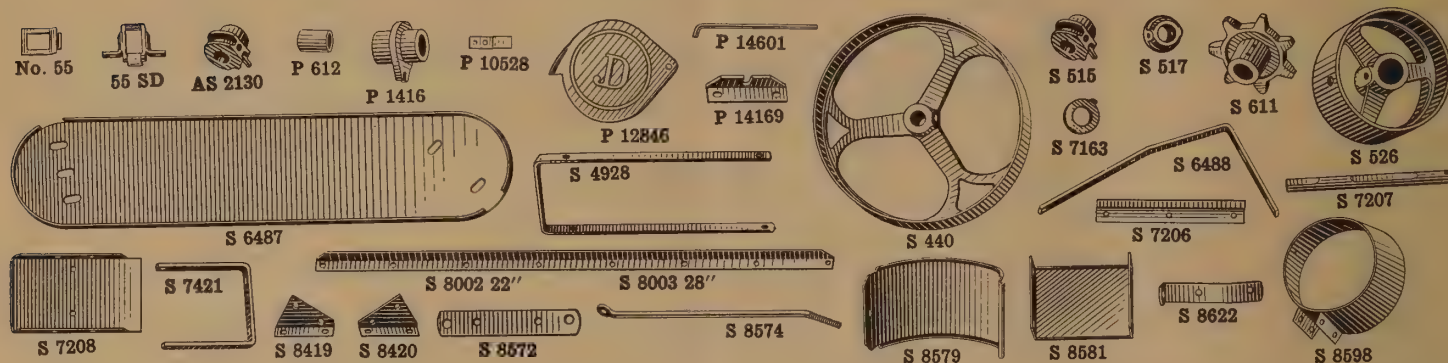
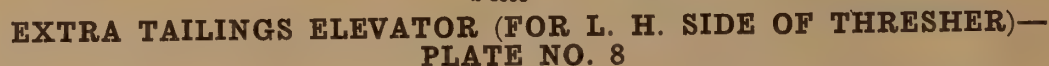


FAN—PLATE NO. 6

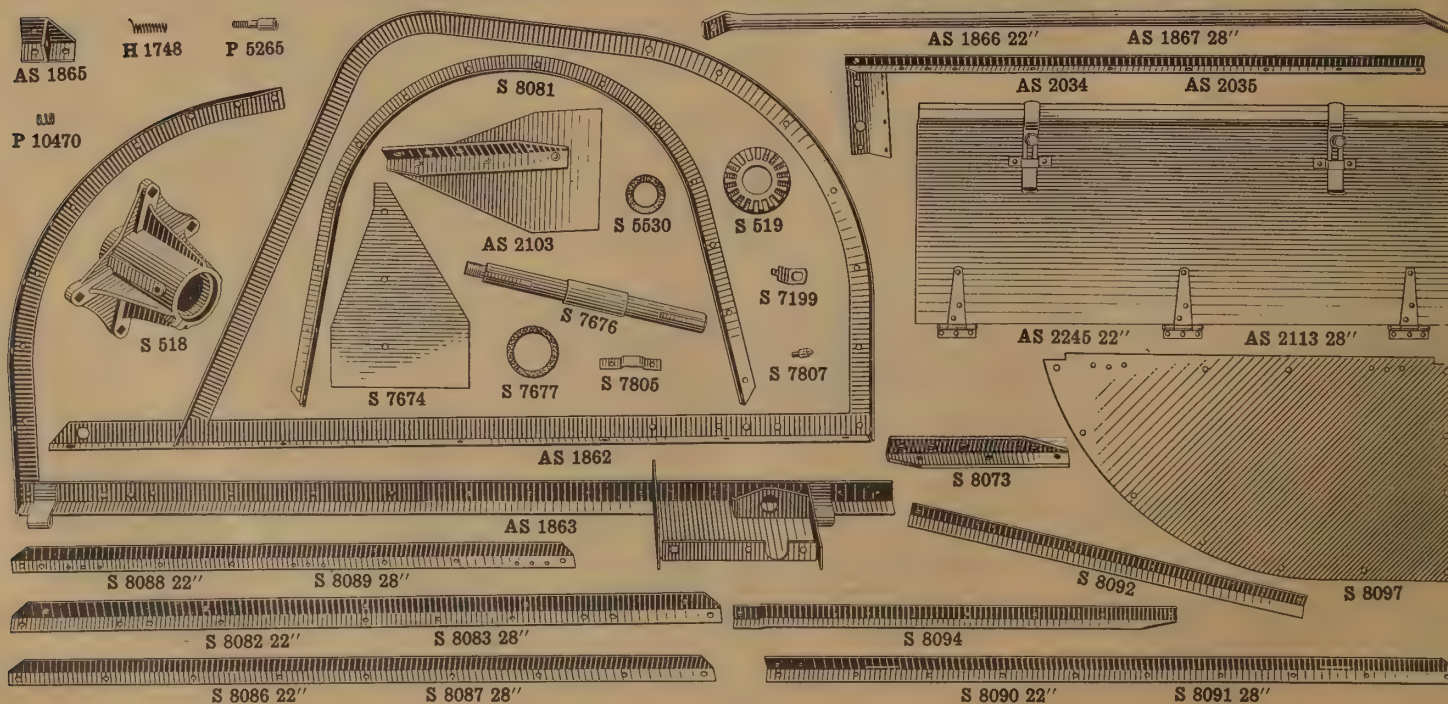


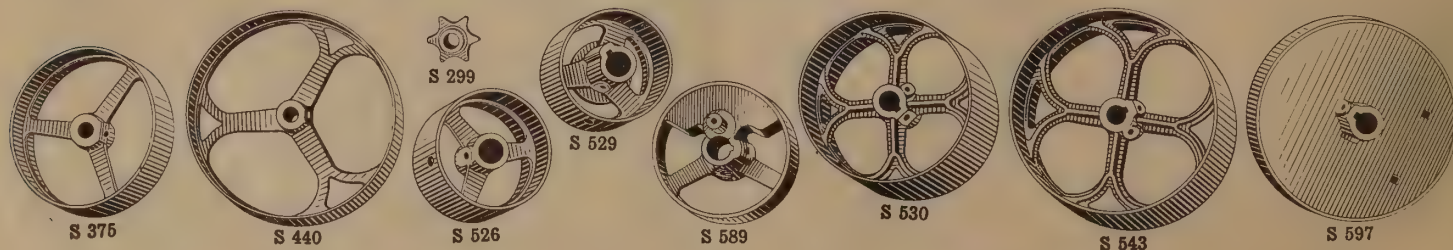
TAILINGS ELEVATOR AND TAILINGS AUGER—PLATE NO. 7

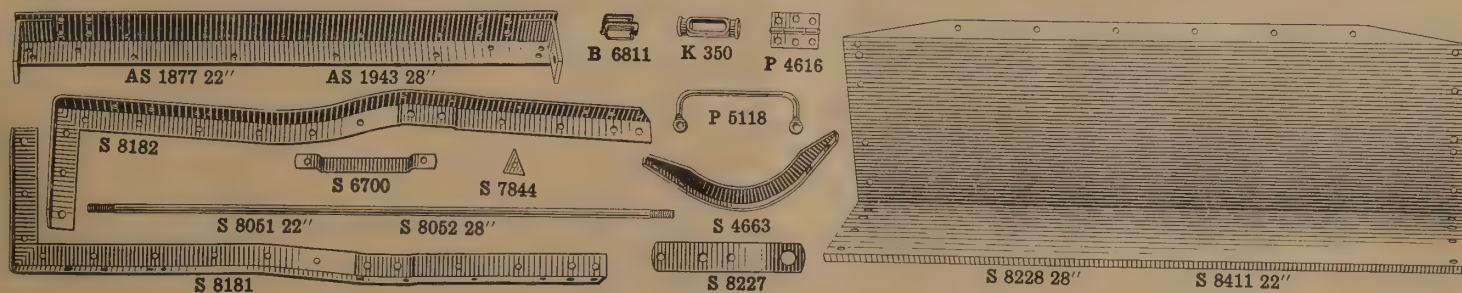
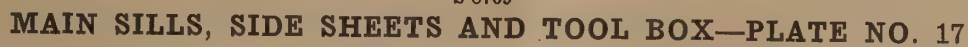


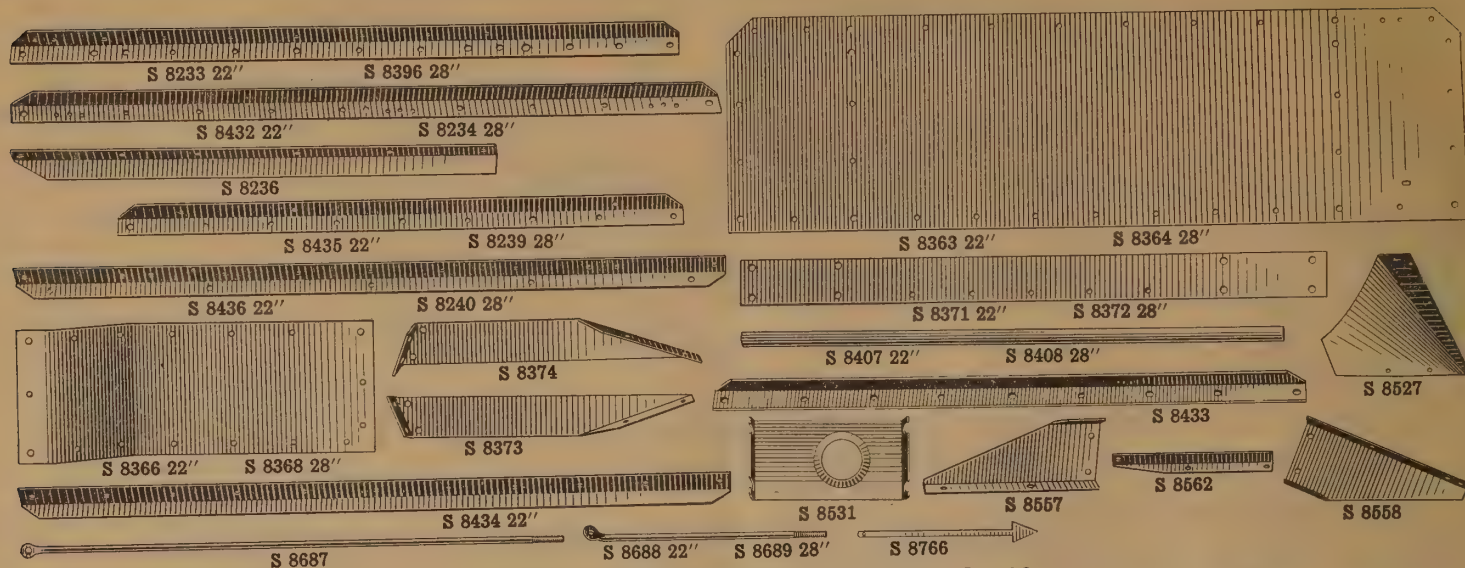


WIND STACKER FAN AND HOUSING—PLATE NO. 9

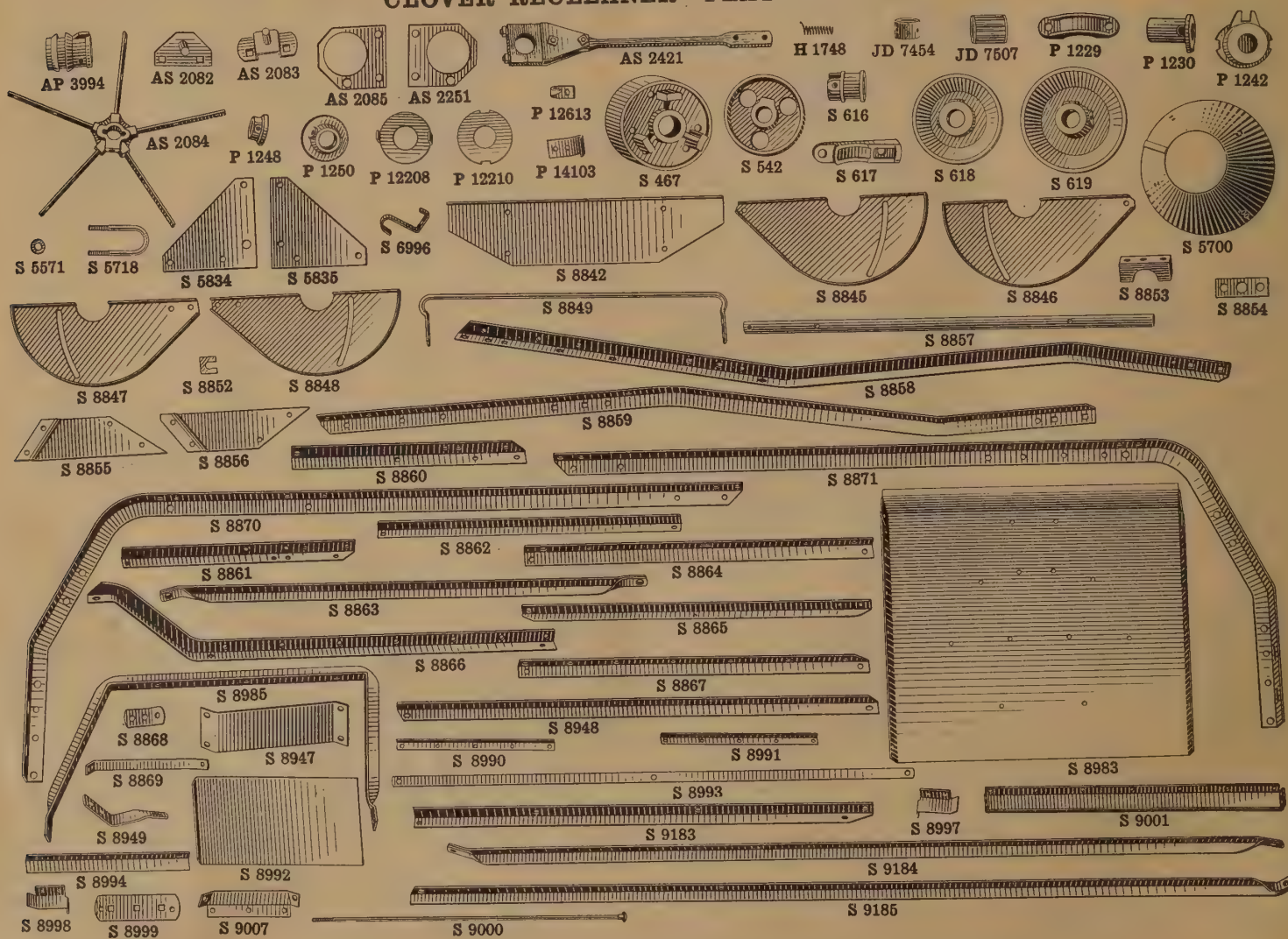






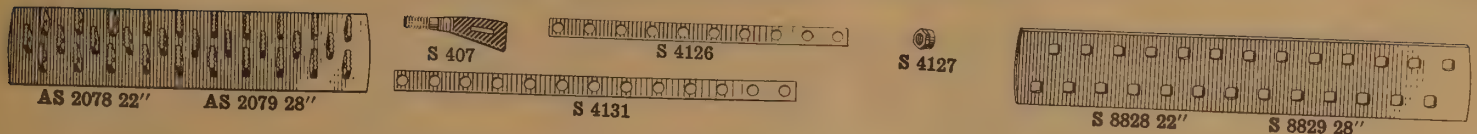


CLOVER RECLENER—PLATE NO. 18

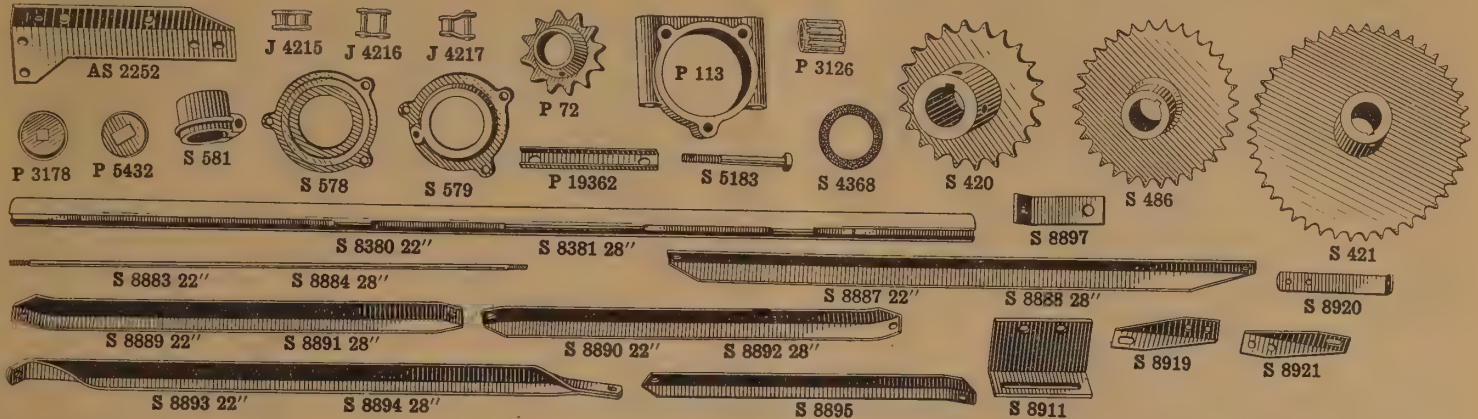


CLOVER ATTACHMENT—PLATE NO. 19

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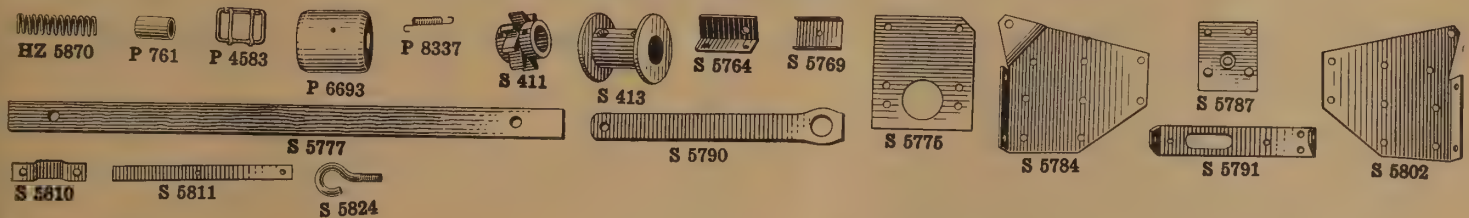
SLOW SPEED COUNTERSHAFT (TO REDUCE SPEED OF CYLINDER TO 300, 394 or 600 R.P.M.)—PLATE NO. 20



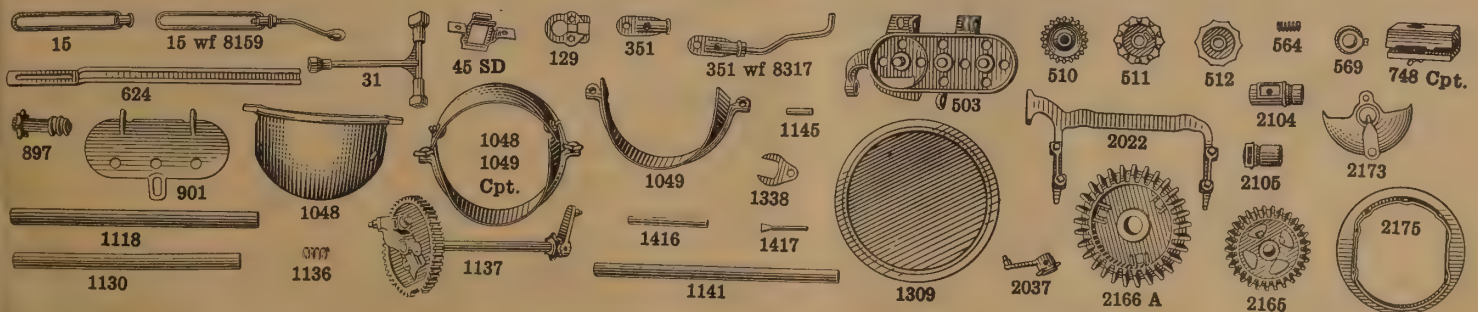
PNEUMATIC TIRE WHEEL EQUIPMENT—PLATE NO. 21



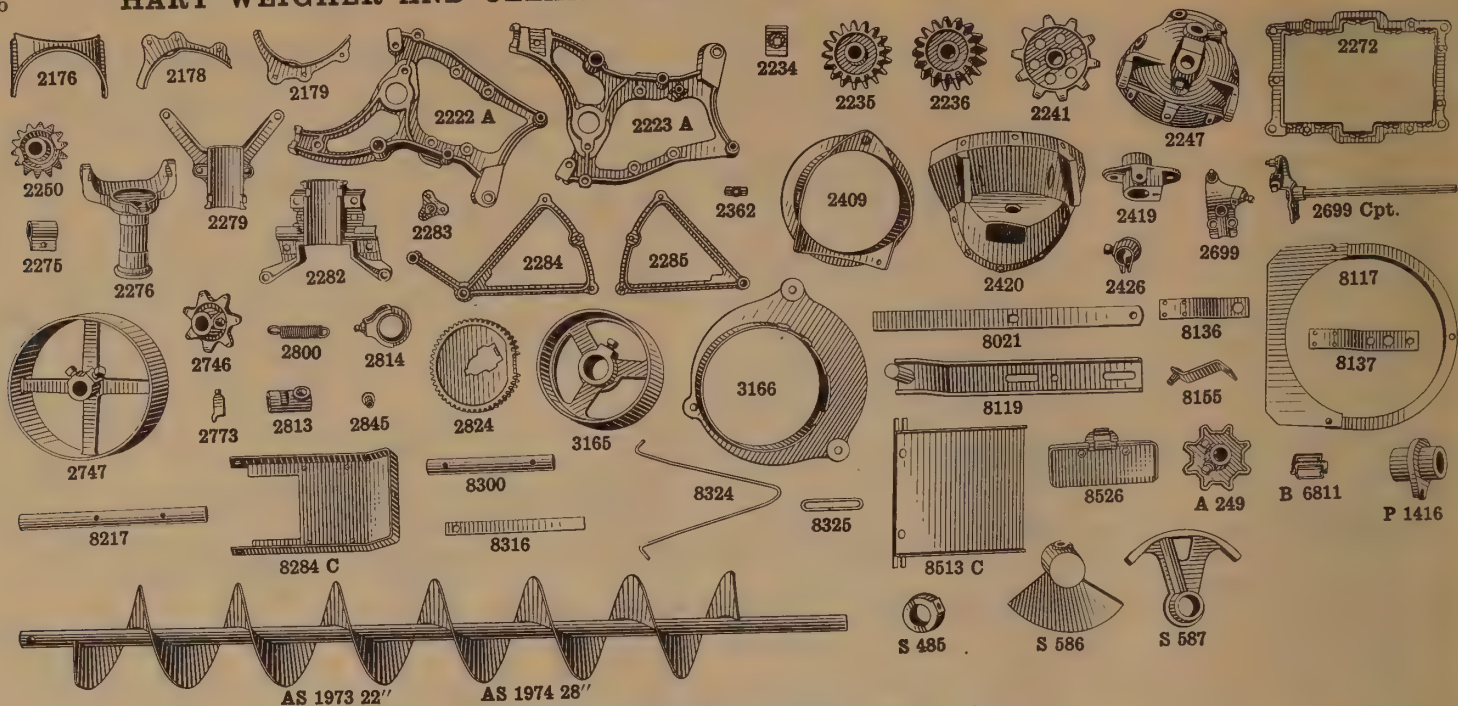
COMMON STRAW STACKER—PLATE NO. 22



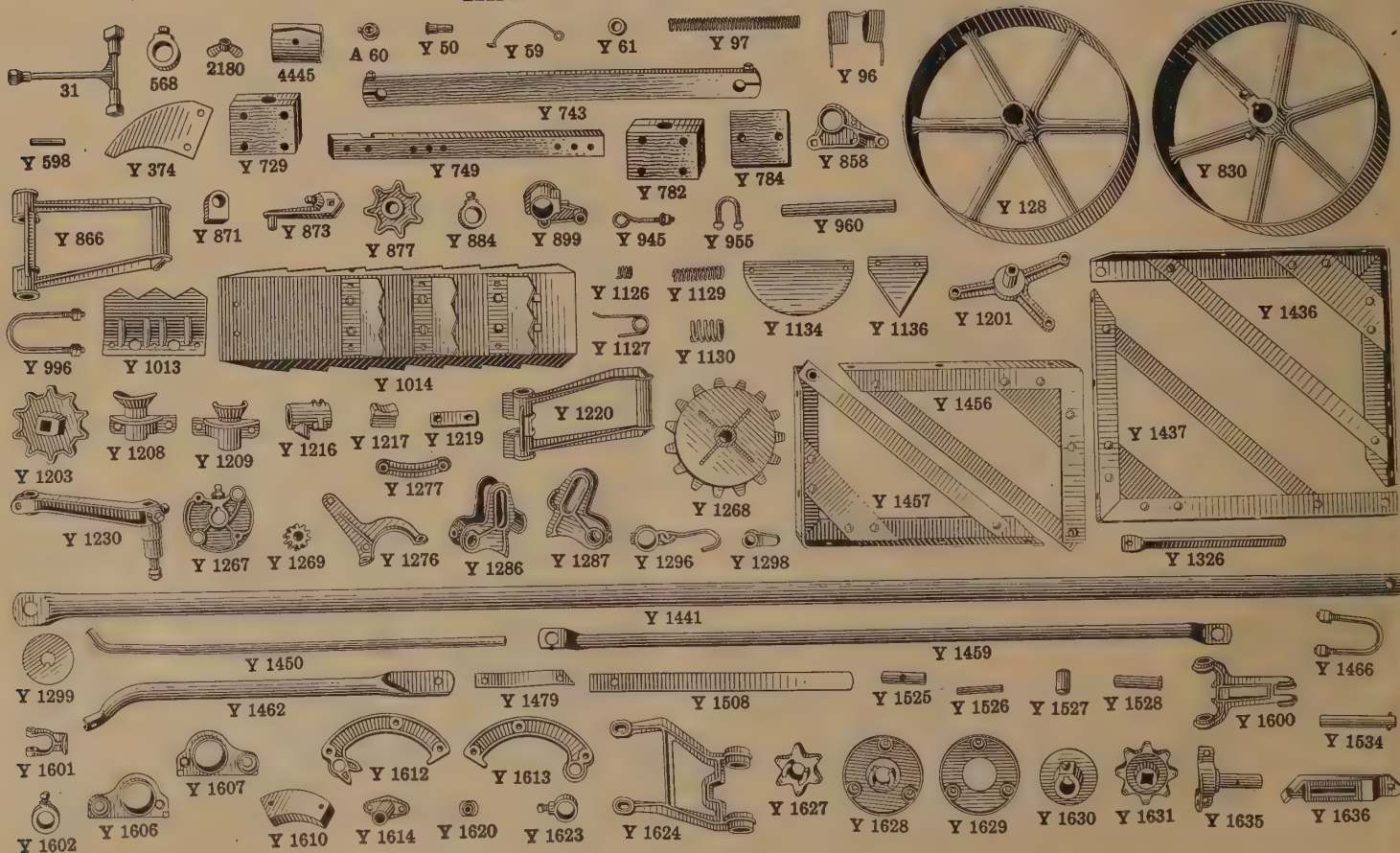
HART WEIGHER AND CLEAN GRAIN AUGER—PLATE NO. 23

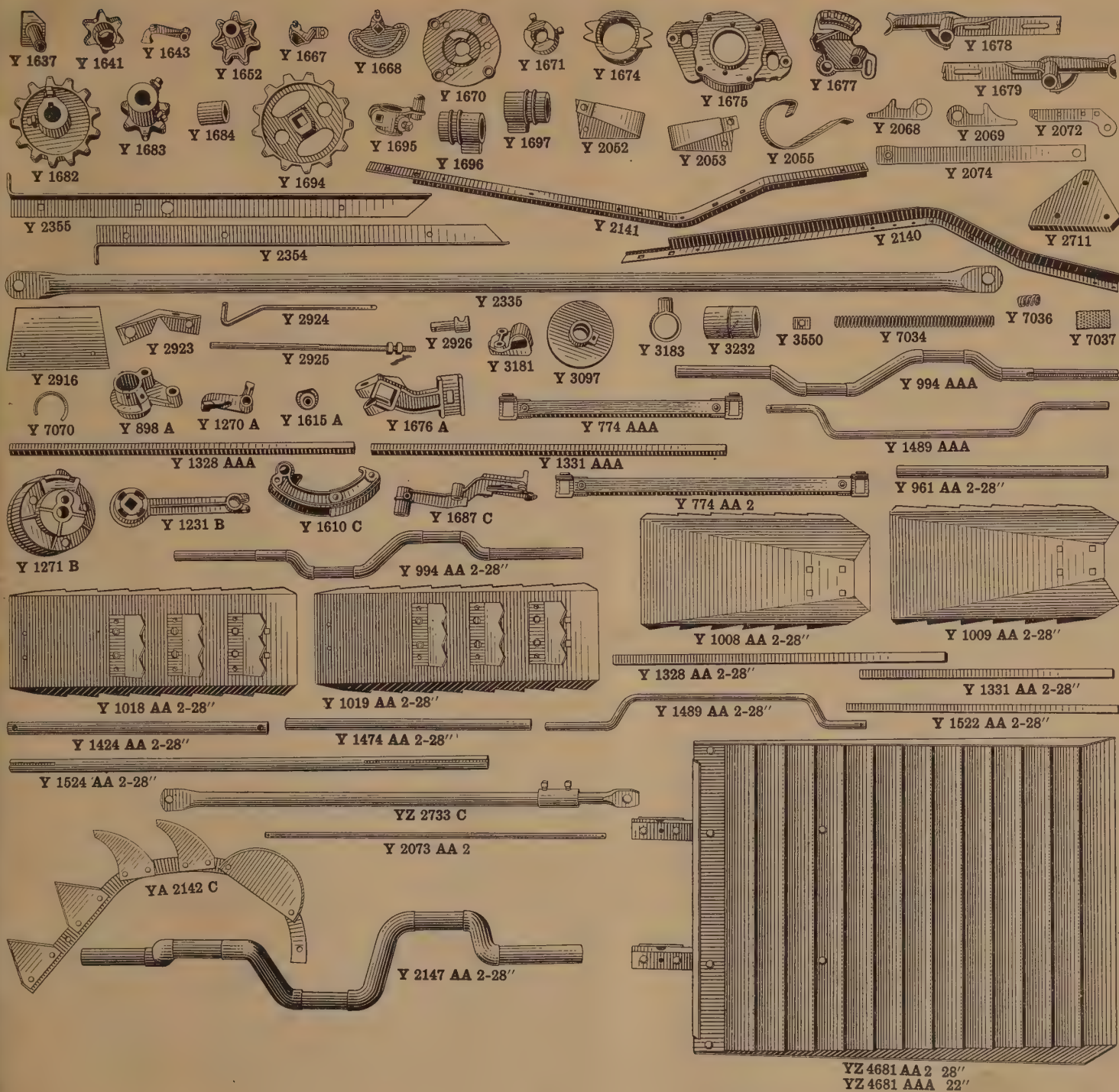


HART WEAVER AND CLEAN GRAIN AUGER (CONTINUED)—PLATE NO. 23



HART FEEDER—PLATE NO. 24





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S9052	43-61	S9406	66					Y1607	73
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S9352	65	S9562	43	Y61	71			Y2335	74
S9353	65	S9564	57	Y96	71	Y1457	72	Y2348	74
		S9579	46	Y97	71	Y1459	72	Y2354	74
S9354	65	S9580	46			Y1460	72	Y2355	74
S9355	65	S9583	57					Y2690	74

U BOLT FOR ADJUSTING MAIN DRIVE CHAIN

WROT TRIP ARM

TRIP ARM ROD

PAN ADJUSTING LEVERCLAMP PLATE Y 1677

U BOLT FOR ADJUSTING MAIN DRIVE CHAIN

LEVER FOR ADJUSTING UPPER PANS

FRICTION SHOE TENSION SPRING

UPPER PANS

UPPER PAN SUPPORT ARM

SPEED GOVERNOR

GOVERNOR SPRING
ADJUSTING BOLT

SHAKE PAN
PITMAN

LOWER PANS

ADJUSTABLE
RETARDER FINGERS

STATIONARY RETARDER PLATE

SHAKE PAN

CHAIN TIGHTENER

TRIP DOG

TENSION SPRING

FRICTION DISC

GEAR HOUSING

TRIP ARM

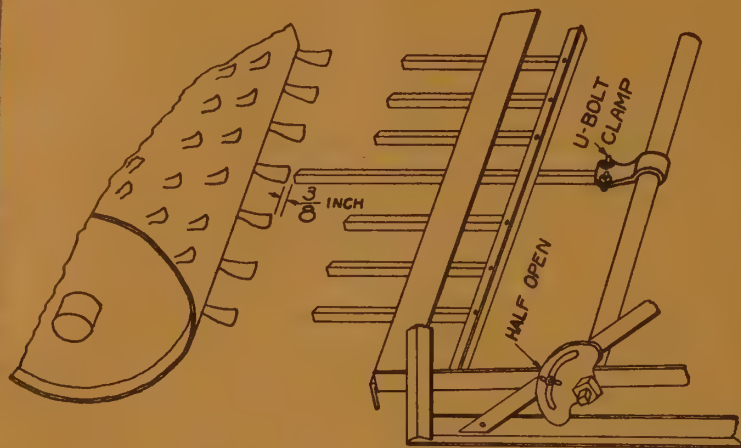
WING NUT ADJUSTING ROD

PAN RELIEF SPRING

STUDY THIS DIAGRAM CAREFULLY

Retarder Finger Adjustment

Feeder is shipped from factory with retarder fingers set in closed position to prevent damage in handling. When feeder is correctly located in reference to threshing cylinder, the retarder plate will be about 7 inches from ends of cylinder teeth.



To set long stationary center retarder finger, loosen U-bolt on U-bolt clamp and move finger until it clears ends of cylinder teeth about $\frac{3}{8}$ inch. When set be sure to lock U-bolt clamp. The balance of retarder fingers are adjustable to and from cylinder by means of a square shaft with indicator plate located on lower left side of feeder.

Adjustment is made by loosening wing nut and moving to desired position by placing wrench on square shaft on side of feeder. Retarder fingers are nearest to the cylinder teeth when the word "closed" on the quadrant is opposite the bolt, and farthest from the cylinder teeth when the word "open" is opposite the bolt. The normal location is half-open. See illustration.

To Adjust Upper Feed Pans and Volume Control

For normal setting, loosen wing nut on pan adjusting lever casting and set so first tooth "A" on casting is in second notch on Casting B. (See illustration No. 1). Ends of upper and lower feed pans will then be about 4 inches apart at closest point of operation.

Loosen wing nut on adjusting rod for pan relief spring until all tension is released, and tighten friction shoe on upper feed pan support arm until the upper pans when raised by hand will slowly drop back of their own weight. Then tighten wing nut on pan relief spring until it is $2\frac{1}{4}$ inches above square lock nut. (See cut below.) This adjustment will suit all normal conditions. When tough straw is being handled increase the tension on the upper pans so that pressure will be greater on the straw and the combing-off action made stronger. If pans show a ten-

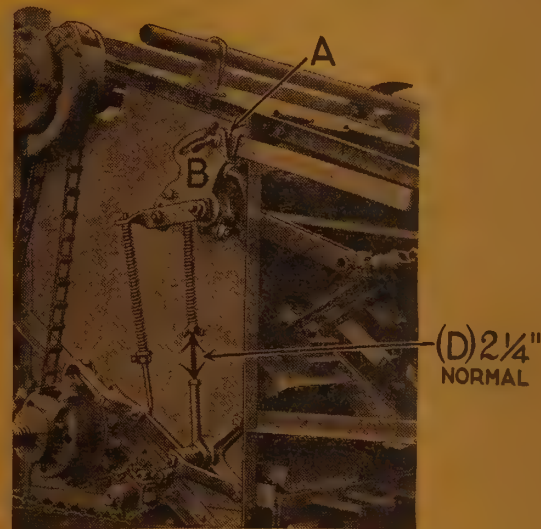


Illustration No. 1

dency to bounce up and down, tighten friction shoe and increase tension on pan relief spring until bouncing stops.

To feed a larger volume, loosen thumb nut on bolt through castings "A" and "B" and raise pans by means of wrought pan adjusting lever. Be sure to tighten thumb nut after desired adjustment is made. Illustration No. 1 shows upper feed pans dropped down to lowest position. The throat opening is very small and trip lever is set close to variable speed control so it will operate quickly. Illustration No. 2 shows upper pans and trip lever in highest position with throat wide open. Notice position of wrought adjusting lever in each case.

Volume Control

Trip arm adjustment is independent from pan adjustment and may be set to operate quickly or slowly as desired. Normal setting: End of trip arm should be $1\frac{1}{4}$ inches above trip dog. If you have ample power, increase this distance; if not, decrease.



Illustration No. 2

Operating Instructions for Special Conditions

TO FEED—Long or Tough Straw or Large Bundles

With feeder adjusted exactly as outlined for normal conditions, make the following changes in order as given and making only those necessary to prevent slugging:

First: Tighten pan pressure spring (Illustration No. 1) until distance D is 3 inches.

Second: Lower pan adjusting lever one notch.

Third: Tighten upper pan pressure spring until D is 4 inches.

Fourth: Lower pan adjusting lever into lowest position when pans will have about $\frac{3}{4}$ -inch clearance between them at lower ends.

Fifth: Adjust retarder fingers with square shaft to their closest position to cylinder. Indicator will show closed. Lock in position with wing nut.

Sixth: Adjust volume control trip arm closer to trip dog so it cuts out more frequently.

TO FEED—Dry, Long or Woolly Straw

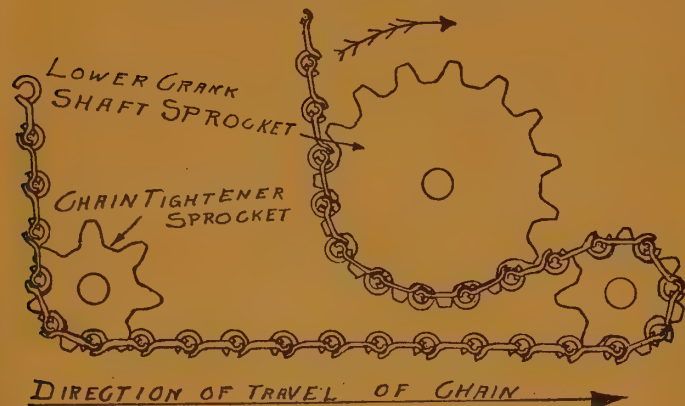
Raise upper pans one or more notches above the normal setting. Open retarder full or until fingers extend about $\frac{1}{2}$ -inch through their support angle. In some conditions, on feeders smaller than 28 inches in width, it may be found advantageous to loosen center stationary finger and move from 2 inches to 5 inches away from ends of cylinder teeth. Be sure to tighten U-bolt clamp.

TO FEED—Short Brittle Straw or Short Brittle Beans

Lower the upper pans one or more notch below normal position and increase pressure on upper pan pressure spring (see Illustration No. 1) until distance D is 4 inches or more. Open retarder full or until fingers are at their greatest distance from cylinder teeth.

In some conditions, on feeders smaller than 28 inches in width, it may be found advantageous to loosen center stationary finger and move from 2 inches to 5 inches away from ends of cylinder teeth. Be sure to tighten U-Bolt clamp.

Direction of Travel of No. 55 Steel Raddle Drive Chain



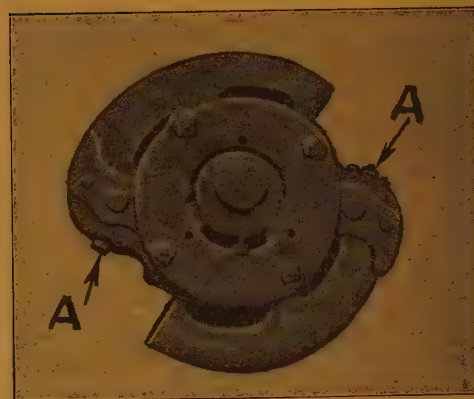
Put On So Links Travel With Bar Ahead as Illustrated

The No. 55 steel chain running from 6-tooth sprocket on governor shaft to Differential sprocket on lower crank shaft should run **bar forward** (see diagram above) and is tightened by moving chain tightener sprocket stud.

Main Drive Chain

The Main Drive Chain running from Y-1683, 7-tooth sprocket on governor shaft to 13-tooth sprocket Y-1682 on upper crank shaft should run fairly tight and is tightened by moving governor shaft backward by means of U bolts and slots provided in main upper angle rail. Be sure that governor shaft is kept parallel to upper crank shaft and that it is moved the same amount on both sides. Both sprockets and chain should be kept well oiled. Oil daily with good oil. Keep the 7-tooth sprocket tight and snug against bearing to prevent side play to governor.

Speed Governor



TO ADJUST SPEED GOVERNOR: Governor is set at factory and rarely needs changing. The speed at which the Governor will start the feeder web is regulated with the bolts "A". To start the web earlier, loosen the bolts; to start later, tighten. Be sure to tighten or loosen both bolts the same amount so as to keep the same tension on both springs.

Keep speed governor well lubricated with a good grade of machine oil at oil holes provided.

SPEED: The main crank shaft should run not less than 235 R. P. M., Governor shaft about 425 to 450 R. P. M. at normal speed of separator cylinder.

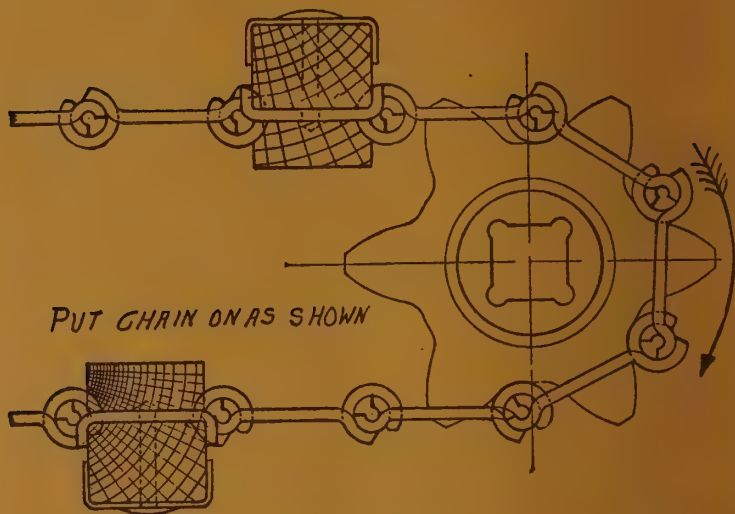
Friction Safety Device



This Friction Drive is provided to prevent breakage in case anything should get caught in the feeder raddle.

The friction is adjusted by means of the three thumb nuts. Adjust so that raddle will convey the ordinary load without slipping, yet may be stopped by holding onto one of the raddle sticks.

Raddle Chain



Put On So Links Travel With Bar Ahead as Illustrated

The raddle drive shaft is square and the inner sprockets are not fastened rigidly to shaft, thus permitting alignment with raddle chains. Care should be exercised to see that sprocket teeth are perfectly parallel or run in time so as to draw raddle slats evenly. The raddle chain is tightened by means of an adjusting screw on each side of outer end of carrier, permitting necessary adjustment. The raddle chain should be run bar first. (See sketch.) Be sure that there is an equal tension on each strand. **Important:** Raddle chains will run crooked and climb sprockets unless there are the same number of links on each side.

To Adjust Spring Belt Tightener

Put bracket on pipe shaft with spring and set collar between arms. The spring should force the tightener pulley toward main drive pulley, hence prongs of spring will grip cross bar of bracket and set collar will be between the coils with loop of spring partly around boss of set collar.

Adjust by releasing all tension on spring, then moving bracket forward to within two inches of main drive pulley. Grip set collar and force backward against spring until tension will sustain pulley in position first mentioned. Tighten set collar securely. **Important:** If tension on spring is too great and belt comes off suddenly, it may throw idler pulley against main drive pulley with possible breakage. A very strong tension is not required.

Keep idler pulley and main drive pulley in line. Belt may be made to run to center of main drive pulley by slightly loosening bolt that holds one of the idler pulley bearings and driving same up or down until belt centers on pulley. Be sure to tighten bolt after adjusting. Keep well oiled.

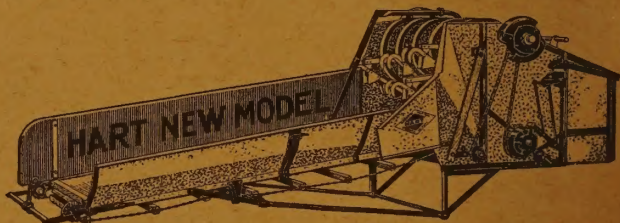
Keep Everything Tight—All Working Parts Well Oiled

Use a good grade of oil liberally in all bearings and wearing surfaces. All bolts have lock washers to keep nuts tight. It is time well spent that is consumed in an occasional inspection of the entire machine, tightening all loose nuts and the correction of any mis-alignments or adjustments.

Instructions for Operating
and Adjusting

HART

New Model
SELF FEEDER



Made by
HART GRAIN WEIGHER CO.

Division of

HART-CARTER COMPANY

PEORIA, ILLINOIS, U. S. A.

World's Largest Builders of
Grain Handling Machinery

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WHEN THE SEASON IS OVER

List repairs that will be needed before next harvest and order them early. Remove belts, clean and give them a light application of vegetable castor oil, roll them up, wrap in burlap and store in a cool dark place. Wash Rockwood Pulleys with gasoline—paint pulleys with Rockwood Belt-Pull. Clean thresher thoroughly **inside** and **outside**. Chaff and dirt will draw moisture, rotting the wood parts and rusting the steel. Brush out augers, clean elevators and do a thorough job. Lubricate all bearings. Remove concaves—give them a coat of oil and replace. Remove chains, clean thoroughly—dip in oil and replace them.

Grease any parts that are likely to rust. Shelter thresher.

AS1457

NOTICE TO DEALERS:

IMPORTANT—Check shipment carefully for shortage, loss and damage and if any have proper notations made on freight bill.

If car is set at platform, **unloading will be greatly facilitated**. If not, set brake of car, block the wheels, build a substantial runway and unload, taking every precaution to avoid accidents and damage.